

研究成果の刊行に関する一覧表

発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年
Kunita R, Otomo A, Mizumura H, Suzuki K, Showguchi-Miyata J, Yanagisawa Y, Hadano S, Ikeda JE.	Homo-oligomerization of ALS2 through its unique carboxyl-terminal regions is essential for the ALS2-associated Rab5 guanine nucleotide exchange activity and its regulatory function on endosome trafficking.	J Biol Chem.	279(37)	38626-38635	2004
Hadano S, Otomo A, Suzuki-Utsunomiya K, Kunita R, Yanagisawa Y, Showguchi-Miyata J, Mizumura H, Ikeda JE	ALS2CL, the novel protein highly homologous to the carboxy-terminal half of ALS2, binds to Rab5 and modulates endosome dynamics.	FEBS Lett.	575(1-3)	64-70	2004
Ikeda JE.	Recessive motor neuron diseases: mutations in the ALS2 gene and molecular pathogenesis for the upper motor neurodegeneration	Rinsho Shinkeigaku.	44(11)	792-794	2004
Okada Y, Sakai H, Kohiki E, Suga E, Yanagisawa Y, Tanaka K, Hadano S, Osuga H, Ikeda JE.	A dopamine D4 receptor antagonist attenuates ischemia-induced neuronal cell damage via upregulation of neuronal apoptosis inhibitory protein.	J Cereb Blood Flow Metab.	in press		2005
Otomo A, Hadano S, Okada T, Mizumura H, Kunita R, Nishijima H, Showguchi-Miyata J, Yanagisawa Y, Kohiki E, Suga E, Yasuda M, Osuga H, Nishimoto T, Narumiya S, Ikeda JE.	ALS2, a novel guanine nucleotide exchange factor for the small GTPase Rab5, is implicated in endosomal dynamics.	Hum Mol Genet	12(14)	1671-1687	2003

Nagano I, Murakami T, Shiote M, Manabe Y, Hadano S, Yanagisawa Y, Ikeda JE, Abe K.	Single-nucleotide polymorphisms in uncoding regions of ALS2 gene of Japanese patients with autosomal-recessive amyotrophic lateral sclerosis.	Neurol Res.	25 (5)	505-509	2003
Tanaka K, Shouguchi-Miyata J, Miyamoto N, Ikeda JE.	Novel nuclear shuttle proteins, HDBP1 and HDBP2, bind to neuronal cell-specific cis-regulatory element in the promoter for the human Huntington's disease gene.	J Biol Chem.	279 (8)	7275-7286	2004
Storbeck CJ, Drmanic S, Daniel K, Waring JD, Jirik FR, Parry DJ, Ahmed N, Sabourin LA, Ikeda JE, Korneluk RG.	Inhibition of myogenesis in transgenic mice expressing the human DMPK 3'-UTR.	Mol Genet.	13 (6)	589-600	2004
Okada T, Gondo Y, Goto J, Kanazawa I, Hadano S, Ikeda JE.	Unstable transmission of the RS447 human megasatellite tandem repetitive sequence that contains the USP17 deubiquitinating enzyme gene.	Hum Genet.	110 (4)	302-313	2002
Singaraja RR, Hadano S, Metzler M, Givan S, Wellington CL, Warby S, Yanai A, Gutekunst CA, Leavitt BR, Yi H, Fichter K, Gan L, McCutcheon K, Chopra V, Michel J, Hersch SM, Ikeda JE, Hayden MR.	HIP14, a novel ankyrin domain-containing protein, links huntingtin to intracellular trafficking and endocytosis.	Hum Mol Genet.	11 (23)	2815-28	2002

Kunita R, Otomo A, Ikeda JE.	Identification and characterization of novel members of the CREG family, putative secreted glycoproteins expressed specifically in brain.	Genomics.	80(5)	456-460	2002
國田竜太、大友麻子、水村光、鈴木(宇都宮) 恭子、将口(宮田) 淳子、柳澤佳子、秦野伸二、池田穰衛	ALS2 タンパク質の多量体形成は、ALS2 による低分子Gタンパク質Rab5活性化および細胞内でのエンドソーム融合活性に必須である	第27回日本分子生物学会年会プログラム・講演要旨集		998	2004
鈴木恭子、秦野伸二、大友麻子、國田竜太、水村光、将口(宮田) 淳子、柳澤佳子、須賀恵津子、池田穰衛	ALS2 相同遺伝子産物 ALS2CL は新規 ALS2 結合タンパク質である	第27回日本分子生物学会年会プログラム・講演要旨集		998	2004
秦野伸二、角田茂、須藤カツ子、大友麻子、國田竜太、鈴木(宇都宮) 恭子、水村光、将口(宮田) 淳子、柳澤佳子、宮本なつき、古曳英理、須賀恵津子、岩倉洋一郎、池田穰衛	若年発症型劣性家族性 ALS 疾患モデル Als2 遺伝子欠損マウスの作出と解析	第27回日本分子生物学会年会プログラム・講演要旨集		998	2004
Hadano S, Shiina T, Showguchi-Miyata J, Hashimoro N, Aoki M, Inoko H, Sobue G, Ikeda JE.	Single nucleotide polymorphism analysis of the ALS2 gene and it's regulatory region in Japanese patients with sporadic amyotrophic lateral sclerosis. Amyotroph. Lateral Scler.	15th International Symposium on ALS/MND		73-74	2004
田中一則、宮本なつき、宮田(将口) 淳子、池田穰衛	HD遺伝子プロモーター内の新規シスエレメントに結合する核-細胞質シャトルタンパク質の分子機能	戦略的創造科学研究推進事業(CREST・SORST) JOINT SYMPOSIUM”脳神経科学の最先端2004”、プログラム講演要旨集		20	2004

岡田義則、酒井治美、古曳英理、須賀恵津子、田中一則、秦野伸二、池田穰衛	NAIP 発現誘導 Dopamine D4 antagonist の抗アポトーシス効果	戦略的創造科学研究推進事業 (CREST・SORST) JOINT SYMPOSIUM” 脳神経科学の最先端 2004”、プログラム講演要旨集		20	2004
大友麻子、秦野伸二、岡田武也、水村光、國田竜太、西嶋仁、将口 (宮田) 淳子、柳澤佳子、古曳英理、須賀恵津子、安田政実、大須賀等、西本毅治、成宮周、池田穰衛	筋萎縮性側索硬化症 2 型遺伝子産物 ALS2 の Rab5GEF 活性とエンドソーム動態調節機能	戦略的創造科学研究推進事業 (CREST・SORST) JOINT SYMPOSIUM” 脳神経科学の最先端 2004”、プログラム講演要旨集		21	2004
國田竜太、大友麻子、水村光、鈴木 (宇都宮) 恭子、将口 (宮田) 淳子、柳澤佳子、秦野伸二、池田穰衛	ALS2 タンパク質多量体形成の生理的意義	戦略的創造科学研究推進事業 (CREST・SORST) JOINT SYMPOSIUM” 脳神経科学の最先端 2004”、プログラム講演要旨集		21	2004
秦野伸二、角田茂、須藤カツ子、大友麻子、國田竜太、水村光、鈴木 (宇都宮) 恭子、将口 (宮田) 淳子、柳澤佳子、古曳英理、須賀恵津子、宮本なつき、岩倉洋一郎、池田穰衛	Als2 ノックアウトマウスの作出と解析	戦略的創造科学研究推進事業 (CREST・SORST) JOINT SYMPOSIUM” 脳神経科学の最先端 2004”、プログラム講演要旨集		22	2004
池田穰衛	神経変性の mechanism-based 治療技術の開発：筋萎縮性側索硬化症	神経化学	43 (2, 3)	332	2004
岡田義則、酒井治美、古曳英理、須賀恵津子、田中一則、秦野伸二、大須賀等、池田穰衛	NAIP 発現誘導ドーパミン受容体リガンドの抗アポトーシス効果	神経化学	43 (2, 3)	361	2004

秦野伸二、角田茂、須藤カツ子、大友麻子、國田竜太、水村光、鈴木恭子、岩倉洋一郎、池田穰衛	Als2 ノックアウトマウスの作出と解析	神経化学	43(2,3)	490	2004
田中一則、宮本なつき、池田穰衛	HD遺伝子プロモーター内の新規シスエレメントに結合する核-細胞質シヤトルタンパク質の分子機能	神経化学	43(2,3)	495	2004
Hadano S, Kakuta S, Sudo K, Otomo A, Kunita R, Mizumura H, Suzuki K, Iwakura Y, Ikeda JE.	Towards delineation of the pathogenesis for juvenile recessive motor neuron diseases: Generation and characterization of the Als2 knockout mice.	Human Genome Meeting 2004, Programme and Abstract book		30-31, 112	2004
Tanaka K, Shouguchi-Miyata J, Miyamoto N, Ikeda JE.	The analysis of molecular function of nuclear-cytoplasm shuttling proteins, HDBP1 (SLC2A4) and HDBP2 (ZNF395), which bind to the novel cis-regulatory element in the human HD gene promoter	Human Genome Meeting 2004, Programme and Abstract book		31, 114	2004
Kunita R, Hadano S, Otomo A, Mizumura H, Okada T, Suzuki K, Narumiya S, Ikeda JE.	The DH/PH domain of ALS2 strongly enhances the C-terminal MORN/VPS9 domain-mediated endosome fusions	KYESTONE Symposia Traffic Control: Rab GTPases in Vesicular Transport		55	2004
Otomo A, Hadano S, Okada T, Mizumura H, Kunita R, Nishijima H, Showguchi-Miyata J, Yanagisawa Y, Kohiki E, Suga E, Yasuda M, Osuga H, Nishimoto T, Narumiya S, Ikeda JE.	Amyotrophic lateral sclerosis type 2 gene encodes protein, ALS2, is a novel guanine nucleotide exchange factor for Rab5 and implicates in endosomal dynamics	KYESTONE Symposia Traffic Control: Rab GTPases in Vesicular Transport		57	2004

岡田義則、酒井治美、古曳英理、須賀恵津子、大須賀等、池田穰衛	NAIP発現誘導化合物のin vitroおよびin vivoにおける抗アポトーシス効果	第26回日本分子生物学会年会プログラム・講演要旨集		441	2003
田中一則、宮本なつき、池田穰衛	酸化ストレス応答によるHD遺伝子転写調節領域結合因子の細胞内局在変化	第26回日本分子生物学会年会プログラム・講演要旨集		595	2003
大友麻子、秦野伸二、岡田武也、水村光、國田竜太、西嶋仁、将口(宮田)淳子、柳澤佳子、古曳英理、須賀恵津子、安田政実、大須賀等、西本毅治、成宮周、池田穰衛	筋萎縮性側索硬化症2型遺伝子産物ALS2のRab5GEF活性とエンドソーム動態調節機能	第26回日本分子生物学会年会プログラム・講演要旨集		1030	2003
國田竜太、秦野伸二、大友麻子、水村光、鈴木恭子、成宮周、池田穰衛	ヒトALS2タンパク質の初期エンドソーム融合はALS_DH/PHドメインによって特異的に増強される	第26回日本分子生物学会年会プログラム・講演要旨集		1030	2003
秦野伸二、大友麻子、柳沢佳子、将口(宮田)淳子、鈴木恭子、國田竜太、水村光、池田穰衛	ALS2CL:新規ALS2相同遺伝子の同定とその構造解析	第26回日本分子生物学会年会プログラム・講演要旨集		1031	2003
Otomo A, Hadano S, Okada T, Mizumura H, Kunita R, Nishijima H, Showguchi-Miyata J, Yanagisawa Y, Kohiki E, Suga E, Yasuda M, Osuga H, Nishimoto T, Narumiya S, Ikeda JE.	ALS2, a novel guanine nucleotide exchange factor for the small GTPase Rab5 is implicated in endosomal dynamics	神経化学	42(2, 3)	264	2003
Hadano S, Otomo A, Yanagisawa Y, Showguchi-Miyata J, Suzuki K, Kunita R, Mizumura H, Ikeda JE.	ALS2 C-terminal like (ALS2CL): identification characterization of the novel conserved gene that encodes a protein highly homologous to the carboxy-terminal half of the ALS2 protei	神経化学	42(2, 3)	265	2003

Hadano S, Yanagisawa Y, Shouguchi-Miyata J, Otomo A, Kunita R, Mizumura H, Ikeda JE.	Identification and Characterization of a novel gene ALS2 C-terminal like(ALS2CL) which encodes a protein highly homologous to the carboxy-terminal half of the ALS2 protein	XIX INTERNATIONAL CONGRESS OF GENETICS		70	2003
Kunita R, Otomo A, Ikeda JE.	Identification and Characterization of Novel members of the CREG Family Putative Secreted Glycoproteins Expressed Specifically in Brain	XIX INTERNATIONAL CONGRESS OF GENETICS		120	2003
Tanaka K, Miyamoto N, Shouguchi-Miyata J, Ikeda JE.	MOLECULAR BEHAVIOR OF NOVEL NUCLEAR SHUTTLE PROTEINS, HDBP1 AND HDBP2, WHICH ARE CANDIDATE TRANSCRIPTIONAL REGULATORS FOR THE HUMAN HUNTINGTON' S DISEASE GE	XIX INTERNATIONAL CONGRESS OF GENETICS		184	2003
田中一則, 宮本な つき, 将口 (宮田) 淳子, 池田穰衛	Nuclear shuttle 活性を 有する転写因子の解析: ハンチントン病遺伝子転 写の分子機序	第20回染色体 ワークショップ		31	2003
國田竜太, 大友麻 子, 池田穰衛	脳特異的に発現する新規 推定分泌糖タンパク質、 ヒト CREG2 並びにマウス Creg2 の cDNA 単離と発現 解析	第25回日本分 子生物学会年 会プログラ ム・講演要旨集		583	2002
田中一則, 宮本な つき, 将口 (宮田) 淳子, 池田穰衛	ハンチントン病遺伝子転 写調節候補因子の細胞内 分子病態	第25回日本分 子生物学会年 会プログラ ム・講演要旨集		766	2002
Tanaka K, Shouguchi-Miyata J, Miyamoto N, Ikeda JE	Molecular behavior of the putative transcriptional factors for the human Huntington' s disease.	THE 15TH NAITO CONFERENCE ON MOLECULAR BIOLOGICAL APPROACHES FOR INTRACTABLE DISEASE [III]. PROGRAM, ABSTRACTS, LIST OF PARTICIPANTS	PS[II]-27	82	2002

池田穰衛	NAIP の抗アポトーシス機序と神経変性防御薬の開発	生化学	74 (8)	645	2002
Ikeda JE, Otomo A, Kunita R, Yoshida E, Hadano S, Osuga H.	ALS2 gene accounting for amyotrophic lateral sclerosis 2 encodes multi guanine exchange factor (GEF) domains acting for small GTPases.	神経化学	41 (3)	354	2002
Tanaka K, Showguchi-Miyata J, Miyamoto N, Ikeda JE.	Functional analysis of the putative transcription factors for human Huntington' s disease gene.	神経化学	41 (3)	355	2002
Tanaka K, Showguchi-Miyata J, Miyamoto N, Ikeda JE.	Functional analysis of the putative transcription factors for the human Huntington' s disease gene.	Human Genome Meeting 2002, Programme and Abstract book		115	2002
Hadano S, Hand CK, Osuga H, Yanagisawa Y, Otomo A, Devon RS, Miyamoto N, Showguchi-Miyata J, Okada Y, Singaraja R, Figlewicz DA, Kwiatkowski T, Hosler BA, Sagie T, Skaug J, Nasir J, Brown RH Jr, Scherer SW, Rouleau GA, Hayden MR, Ikeda JE.	Identification and characterization of the ALS2 causative gene that encodes a protein containing multiple GEF domains.	Human Genome Meeting 2002, Programme and Abstract book		191	2002
Watanabe H, Fukatsu H, Katsuno M, Sugiura M, Hamada K, Okada Y, Hirayama M, Ishigaki T, Sobue G.	Multiple regional IH-MR spectroscopy in multiple system atrophy: NAA/Cr reduction in pontine base as a valuable diagnostic marker.	J Neurol Neurosurg Psychiatry	75 (1)	103-109	2004
Katsuno M, Adachi H, Sobue G.	Sweet relief for Huntington disease.	Nat Med.	10 (2)	123-124	2004

Katsuno M, Sobue G.	Polyglutamine diminishes VEGF; passage to motor neuron death?	Neuron	41 (5)	677-679	2004
Takeuchi H, Niwa J, Hishikawa N, Ishigaki S, Tanaka F, Doyu M, Sobue G.	Dorfin prevents cell death by reducing mitochondrial localizing mutant superoxide dismutase 1 in a neuronal cell model of familial amyotrophic lateral sclerosis.	J Neurochem.	89(1)	64-72	2004
Koike H, Misu K, Sugiura S, Iijima M, Mori K, Yamamoto M, Hattori N, Mukai E, Ando Y, Ikeda S, Sobue G.	Pathologic differences between early- and late-onset type I (TTR Met30) familial amyloid polyneuropathy.	Neurology	63(1)	129-38	2004
Ishigaki S, Hishikawa N, Niwa J, Iemura S, Natsume T, Hori S, Kakizuka A, Tanaka K, Sobue G.	Physical and functional interaction between Dorfin and Valosin-containing protein that are colocalized in ubiquitylated inclusions in neurodegenerative disorders.	J Biol Chem.	279(49)	51376-85	2004
Hattori N, Yamamoto M, Yoshihara T, Koike H, Nakagawa M, Yoshikawa H, Ohnishi A, Hayasaka K, Onodera O, Baba M, Yasuda H, Saito T, Nakashima K, Kira J, Kaji R, Oka N, Sobue G.	Demyelinating and axonal features of Charcot-Marie-Tooth disease with mutations of myelin-related proteins (PMP22, MPZ and Cx32): a clinicopathological study of 205 Japanese patients.	Brain	126(Pt 1)	134-151	2003
Hishikawa N, Hashizume Y, Yoshida M, Sobue G.	Clinical and neuropathological correlates of Lewy body disease.	Acta Neuropathol (Berl)	105(4)	341-350	2003

Abe Y, Kachi T, Kato T, Arahata Y, Yamada T, Washimi Y, Iwai K, Ito K, Yanagisawa N, Sobue G.	Occipital hypoperfusion in Parkinson's disease without dementia: correlation to impaired cortical visual processing.	J Neurol Neurosurg Psychiatry	74(4)	419-422	2003
Hamada K, Hirayama M, Watanabe H, Kobayashi R, Ito H, Ieda T, Koike Y, Sobue G.	Onset age and severity of motor impairment are associated with reduction of myocardial 123I-MIBG uptake in Parkinson's disease.	J Neurol Neurosurg Psychiatry	74(4)	423-426	2003
Adachi H, Katsuno M, Minamiyama M, Sang C, Pagoulatos G, Kobayashi Y, Doyu M, Sobue G	Heat Shock Protein 70 Chaperone Overexpression Ameliorates Phenotypes of the Spinal and Bulbar Muscular Atrophy Transgenic Mouse Model by Reducing Nuclear-Localized Mutant Androgen Receptor Protein	J Neurosci	23(6)	2203-2211	2003
Ishihara K, Yamagishi N, Saito Y, Adachi H, Kobayashi Y, Sobue G, Ohtsuka K, Hatayama T.	Hsp105 α suppresses the aggregation of truncated androgen receptor with expanded CAG repeats and cell toxicity.	J Biol Chem	278(27)	25143-25150	2003
Ando Y, Liang Y, Ishigaki S, Niwa J, Jiang Y, Kobayashi Y, Yamamoto M, Doyu M, Sobue G.	Caspase-1 and -3 mRNAs are differentially upregulated in motor neurons and glial cells in mutant SOD1 transgenic mouse spinal cord: a study using laser microdissection and real-time RT-PCR.	Neurochem Res.	28(6)	839-46	2003
Ito T, Niwa J, Hishikawa N, Ishigaki S, Doyu M, Sobue G.	Dorfin localizes to Lewy bodies and ubiquitylates synphilin-1.	J Biol Chem	278(31)	29106-29114	2003
Katsuno M, Adachi H, Doyu M, Minamiyama M, Sang C, Kobayashi Y, Inukai A, Sobue G.	Leuporelin rescues polyglutamine-dependent phenotypes in a transgenic mouse model of spinal and bulbar muscular atrophy.	Nat Med	9(6)	768-773	2003

Koike H, Iijima M, Sugiura M, Mori K, Hattori N, Ito H, Hirayama M, Sobue G.	Alcoholic neuropathy is clinicopathologically distinct from thiamine-deficiency neuropathy.	Ann Neurol	54(1)	19-29	2003
Hishikawa N, Niwa J, Doyu M, Ito T, Ishigaki S, Hashizume Y, Sobue G.	Dorfin localizes to the ubiquitylated inclusions in Parkinson's disease, dementia with Lewy bodies, multiple system atrophy, and amyotrophic lateral sclerosis.	Am J Pathol	163(2)	609-619	2003
Mori K, Iijima M, Sugiura M, Koike H, Hattori N, Ito H, Hirayama M, Sobue G.	Sjogren's syndrome associated painful sensory neuropathy without sensory ataxia.	J Neurol Neurosurg Psychiatry	74(9)	1320- 1322	2003
Katsuno M, Adachi H, Inukai A, Sobue G.	Transgenic mouse models of spinal and bulbar muscular atrophy (SBMA).	Cytogenet Genome Res.	100(1-4)	243-251	2003
Nodera H, Bostock H, Kuwabara S, Sakamoto T, Asanuma K, Jia-Ying S, Ogawara K, Hattori N, Hirayama M, Sobue G, Kaji R.	Nerve excitability properties in Charcot-Marie-Tooth disease type 1A.	Brain.	127(Pt 1)	203-211	2003
Wada M, Kimura M, Daimon M, Kurita K, Kato T, Johmura Y, Johkura K, Kuroiwa Y, Sobue G.	An unusual phenotype of McLeod syndrome with late onset axonal neuropathy.	J Neurol Neurosurg Psychiatry	74(12)	1697- 1698	2003
Mori K, Hattori N, Sugiura M, Koike H, Misu K, Ichimura M, Hirayama M, Sobue G.	Chronic inflammatory demyelinating polyneuropathy presenting with features of GBS.	Neurology.	58(6)	979-982	2002
Ikeda S, Nakazato M, Ando Y, Sobue G.	Familial transthyretin-type amyloid polyneuropathy in Japan: clinical and genetic heterogeneity.	Neurology.	58(7)	1001-1007	2002

Watanabe H, Saito Y, Terao S, Ando T, Kachi T, Mukai E, Aiba I, Abe Y, Tamakoshi A, Doyu M, Hirayama M, Sobue G.	Progression and prognosis in multiple system atrophy: an analysis of 230 Japanese patients.	Brain. .	125(Pt 5)	1070-1083	2002
Ishigaki S, Liang Y, Yamamoto M, Niwa J, Ando Y, Yoshihara T, Takeuchi H, Doyu M, Sobue G.	X-Linked inhibitor of apoptosis protein is involved in mutant SOD1-mediated neuronal degeneration.	J Neurochem.	82(3)	576-584	2002
Niwa J, Ishigaki S, Hishikawa N, Yamamoto M, Doyu M, Murata S, Tanaka K, Taniguchi N, Sobue G.	Dorfin ubiquitylates mutant SOD1 and prevents mutant SOD1-mediated neurotoxicity.	J Biol Chem.	277(39)	36793-36798	2002
Takeuchi H, Kobayashi Y, Yoshihara T, Niwa J, Doyu M, Ohtsuka K, Sobue G.	Hsp70 and Hsp40 improve neurite outgrowth and suppress intracytoplasmic aggregate formation in cultured neuronal cells expressing mutant SOD1.	Brain Res.	949(1-2)	11-22	2002
Katsuno M, Adachi H, Kume A, Li M, Nakagomi Y, Niwa H, Sang C, Kobayashi Y, Doyu M, Sobue G.	Testosterone reduction prevents phenotypic expression in a transgenic mouse model of spinal and bulbar muscular atrophy..	Neuron.	35(5)	843-854	2002
Takeuchi H, Kobayashi Y, Ishigaki S, Doyu M, Sobue G.	Mitochondrial localization of mutant superoxide dismutase 1 triggers caspase-dependent cell death in a cellular model of familial amyotrophic lateral sclerosis.	J Biol Chem.	277(52)	50966-50972	2002

Ishigaki S, Niwa J, Ando Y, Yoshihara T, Sawada K, Doyu M, Yamamoto M, Kato K, Yotsumoto Y, Sobue G.	Differentially expressed genes in sporadic amyotrophic lateral sclerosis spinal cords—screening by molecular indexing and subsequent cDNA microarray analysis.	FEBS Lett.	531(2)	354-358	2002
Nakae S, Nambu A, Sudo K, Iwakura Y.	Suppression of immune induction of collagen-induced arthritis in IL-17-deficient mice.	J Immunol	171(11)	6173-6177	2004
Ozaki H, Nakamura K, Funahashi J, Ikeda K, Yamada G, Tokano H, Okamura HO, Kitamura K, Muto S, Kotaki H, Sudo K, Horai R, Iwakura Y, Kawakami K.	Sixl controls patterning of the mouse otic vesicle.	Development	131(3)	551-562	2004
Kagiwada K, Chida D, Sakatani T, Asano M, Nambu A, Kakuta S, Iwakura Y.	Interleukin (IL)-6, but not IL-1, induction in the brain downstream of cyclooxygenase-2 is essential for the induction of febrile response against peripheral IL-1alpha.	Endocrinology	145(11)	5044- 50488	2004
Horai R, Nakajima A, Habiro K, Kotani M, Nakae S, Matsuki T, Nambu A, Saijo S, Kotaki H, Sudo K, Okahara A, Tanioka H, Ikuse T, Ishii N, Schwartzberg PL, Abe R, Iwakura Y.	TNF-alpha is crucial for the development of autoimmune arthritis in IL-1 receptor antagonist-deficient mice.	J Clin Invest.	14(11)	1603-1611	2004
Ikegaya Y, Delcroix I, Iwakura Y, Matsuki N, Nishiyama N.	Interleukin-1beta abrogates long-term depression of hippocampal CA1 synaptic transmission.	Synapse.	47(1)	54-57	2003

Kurisaki T, Masuda A, Sudo K, Sakagami J, Higashiyama S, Matsuda Y, Nagabukuro A, Tsuji A, Nabeshima Y, Asano M, Iwakura Y, Sehara-Fujisawa A.	Phenotypic analysis of Meltrin alpha (ADAM12)-deficient mice: involvement of Meltrin alpha in adipogenesis and myogenesis.	Mol Cell Biol.	23(1)	55-61	2003
Tanaka J, Ishida T, Choi BI, Yasuda J, Watanabe T, Iwakura Y.	Latent HIV-1 reactivation in transgenic mice requires cell cycle - dependent demethylation of CREB/ATF sites in the LTR.	AIDS	17(2)	167-175	2003
Nakae S, Komiyama Y, Narumi S, Sudo K, Horai R, Tagawa Y, Sekikawa K, Matsushima K, Asano M, Iwakura Y.	IL-1-induced tumor necrosis factor-alpha elicits inflammatory cell infiltration in the skin by inducing IFN-gamma-inducible protein 10 in the elicitation phase of the contact hypersensitivity response.	Int Immunol	15(2)	251-260	2003
Voronov E, Shouval DS, Krelin Y, Cagnano E, Benharroch D, Iwakura Y, Dinarello CA, Apte RN.	IL-1 is required for tumor invasiveness and angiogenesis.	Proc Natl Acad Sci U S A.	100(5)	2645-2650	2003
Ohtaki H, Funahashi H, Dohi K, Oguro T, Horai R, Asano M, Iwakura Y, Yin L, Matsunaga M, Goto N, Shioda S.	Suppression of oxidative neuronal damage after transient middle cerebral artery occlusion in mice lacking interleukin-1.	Neurosci Res.	45(3)	313-324	2003

Li H, Takeda Y, Niki H, Ogawa J, Kobayashi S, Kai N, Akasaka K, Asano M, Sudo K, Iwakura Y, Watanabe K.	Aberrant responses to acoustic stimuli in mice deficient for neural recognition molecule NB-2.	Eur J Neurosci.	17(5)	929-936	2003
Nakae S, Komiyama Y, Yokoyama H, Nambu A, Umeda M, Iwase M, Honma I, Sudo K, Horai R, Asano M, Iwakura Y.	IL-1 is required for allergen-specific Th2 cell activation and the development of airway hypersensitivity response.	Int Immunol	15(4)	483-490	2003
Asano M, Nakae S, Kotani N, Shirafuji N, Nambu A, Hashimoto N, Kawashima H, Hirose M, Miyasaka M, Takasaki S, Iwakura Y.	Impaired selectin-ligand biosynthesis and reduced inflammatory responses in beta-1,4-galactosyltransferase-I-deficient mice.	Blood	102(5)	1678-1685	2003
Nakae S, Saijo S, Horai R, Sudo K, Mori S, Iwakura Y.	IL-17 production from activated T cells is required for the spontaneous development of destructive arthritis in mice deficient in IL-1 receptor antagonist.	Proc Natl Acad Sci U S A	100(10)	5986-5990	2003
Wheeler RD, Brough D, Le Feuvre RA, Takeda K, Iwakura Y, Luheshi GN, Rothwell NJ.	Interleukin-18 induces expression and release of cytokines from murine glial cells: interactions with interleukin-1 beta.	J Neurochem	85(6)	1412-1420	2003
Takeda Y, Akasaka K, Lee S, Kobayashi S, Kawano H, Murayama S, Takahashi N, Hashimoto K, Kano M, Asano M, Sudo K, Iwakura Y, Watanabe K.	Impaired motor coordination in mice lacking neural recognition molecule NB-3 of the contactin/F3 subgroup.	J Neurobiol	56(3)	252-265	2003

Traka M, Goutebroze L, Denisenko N, Bessa M, Nifli A, Havaki S, Iwakura Y, Fukamauchi F, Watanabe K, Soliven B, Girault JA, Karagogeos D.	Association of TAG-1 with Caspr2 is essential for the molecular organization of juxtapanodal regions of myelinated fibers.	J Cell Biol	162(6)	1161-1172	2003
Matsuki T, Horai R, Sudo K, Iwakura Y.	IL-1 plays an important role in lipid metabolism by regulating insulin levels under physiological conditions.	J Exp Med	198(6)	877-888	2003
Iwakura Y	Autoimmune chronic inflammatory arthropathy in mice transgenic for the HTLV-I tax gene.	In "Two decades of adult T-cell leukemia and HTLV-I research", (eds. K. Sugamura, R. Uchiyama, M. Matsuoka, and M. Kannagi), Gann Monograph on Cancer Research, 50, Japan Scientific Societies Press and Karger, Tokyo		197-218	2003
Yamamoto S, Oka S, Inoue M, Shimuta M, Manabe T, Takahashi H, Miyamoto M, Asano M, Sakagami J, Sudo K, Iwakura Y, Ono K, Kawasaki T.	Mice deficient in nervous system-specific carbohydrate epitope HNK-1 exhibit impaired synaptic plasticity and spatial learning.	J Biol Chem.	277(30)	27227- 27231	2002

Konishi H, Tsutsui H, Murakami T, Yumikura-Futatsu gi S, Yamanaka K, Tanaka M, Iwakura Y, Suzuki N, Takeda K, Akira S, Nakanishi K, Mizutani H.	IL-18 contributes to the spontaneous development of atopic dermatitis-like inflammatory skin lesion independently of IgE/stat6 under specific pathogen-free conditions.	Proc Natl Acad Sci U S A.	99(17)	11340- 11345	2002
Nakae S, Komiyama Y, Nambu A, Sudo K, Iwase M, Honma I, Sekikawa K, Asano M, Iwakura Y.	Antigen-specific T cell sensitization is impaired in IL-17-deficient mice, causing suppression of allergic cellular and humoral responses.	Immunity	17(3)	375-387	2002
Sakamaki K, Inoue T, Asano M, Sudo K, Kazama H, Sakagami J, Sakata S, Ozaki M, Nakamura S, Toyokuni S, Osumi N, Iwakura Y, Yonehara S.	Ex vivo whole-embryo culture of caspase-8-deficient embryos normalize their aberrant phenotypes in the developing neural tube and heart.	Cell Death Differ.	9(11)	1196-1206	2002
Iwakura Y	Roles of IL-1 in the development of rheumatoid arthritis: consideration from mouse models.	Cytokine Growth Factor Rev.	13(4-5)	341-355	2002
Giagulli C, Scarpini E, Ottoboni L, Narumiya S, Butcher EC, Constantin G, Laudanna C.	RhoA and zeta PKC control distinct modalities of LFA-1 activation by chemokines: critical role of LFA-1 affinity triggering in lymphocyte in vivo homing.	Immunity	20(1)	25-35	2004
Shimada A, Nyitrai M, Vetter IR, Kuhlmann D, Bugyi B, Narumiya S, Geeves MA, Wittinghofer A.	The core FH2 domain of diaphanous-related formins is an elongated actin binding protein that inhibits polymerization.	Mol Cell	13(4)	511-522	2004

Higashida C, Miyoshi T, Fujita A, Oceguera-Yanez F, Monypenny J, Andou Y, Narumiya S, Watanabe N.	Actin polymerization-driven molecular movement of mDia1 in living cells.	Science	303(5666)	2007-2010	2004
Marinissen MJ, Chiariello M, Tanos T, Bernard O, Narumiya S, Gutkind JS.	The small GTP-binding protein RhoA regulates c-jun by a ROCK-JNK signaling axis.	Mol Cell.	14(1)	29-41	2004
Yasuda S, Oceguera Yanez, F, Kato T, Okamoto M, Yonemura S, Terada Y, Ishizaki T, Narumiya, S.	Cdc42 and mDia3 regulate microtubule attachment to kinetochores.	Nature	428(6984)	767-771	2004
Narumiya S, Oceguera-Yanez F, Yasuda S.	A New Look at Rho GTPases in Cell Cycle: Role in Kinetochores-Microtubul e Attachment.	Cell Cycle.	3(7)	855-857	2004
Ueda H, Morishita R, Narumiya S, Kato K, Asano T.	Galphaq/11 signaling induces apoptosis through two pathways involving reduction of Akt phosphorylation and activation of RhoA in HeLa cells.	Exp Cell Res.	298(1)	207-217	2004
Oceguera-Yanez F, Kimura K, Yasuda S, Higashida C, Kitamura T, Hiraoka Y, Haraguchi T, Narumiya S.	Ect2 and MgcRacGAP regulate the activation and function of Cdc42 in mitosis.	J. Cell Biol.	168(2)	221-232	2005
Shimizu Y, Thumkeo D, Keel J, Ishizaki T, Oshima H, Oshima M, Noda Y, Matsumura F, Taketo MM, Narumiya S.	ROCK-I regulates closure of the eyelids and ventral body wall by inducing assembly of actomyosin bundles.	J Cell Biol.	168(6)	941-953	2005

Takemoto-Kimura S, Terai H, Takamoto M, Ohmae S, Kikumura S, Segi E, Arakawa Y, Furuyashiki T, Narumiya S, Bito H.	Molecular cloning and characterization of CLICK-III/CaMKIgamma, a novel membrane-anchored neuronal Ca ²⁺ /calmodulin-dependent protein kinase (CaMK).	J Biol Chem	278(20)	18597-18605	2003
Tsuji T, Ishizaki T, Okamoto M, Higashida C, Kimura K, Furuyashiki T, Arakawa Y, Birge RB, Nakamoto T, Hirai H, Narumiya S.	ROCK and mDial antagonize in Rho-dependent Rac activation in Swiss 3T3 fibroblasts.	J Cell Biol.	157(5)	819-830	2002
Chevrier V, Piel M, Collomb N, Saoudi Y, Frank R, Paintrand M, Narumiya S, Bornens M, Job D.	The Rho-associated protein kinase p160ROCK is required for centrosome positioning.	J Cell Biol.	157(5)	807-817	2002
Narumiya S, Mabuchi I.	Cell biology: spinning actin to divide.	Nature.	419(6902)	27-28	2002
Furuyashiki T, Arakawa Y, Takemoto-Kimura S, Bito H, Narumiya S.	Multiple spatiotemporal modes of actin reorganization by NMDA receptors and voltage-gated Ca ²⁺ channels.	Proc Natl Acad Sci U S A.	99(22)	14458-14463	2002
Matsuoka Y, Furuyashiki T, Bito H, Ushikubi F, Tanaka Y, Kobayashi T, Muro S, Satoh N, Kayahara T, Higashi M, Mizoguchi A, Shichi H, Fukuda Y, Nakao K, Narumiya S.	Impaired adrenocorticotrophic hormone response to bacterial endotoxin in mice deficient in prostaglandin E receptor EP1 and EP3 subtypes.	Proc Natl Acad Sci U S A.	100(7)	4132-4137	2003

Minoshima Y, Kawashima T, Hirose K, Tonozuka Y, Kawajiri A, Bao YC, Deng X, Tatsuka M, Narumiya S, May WS Jr, Nosaka T, Semba K, Inoue T, Sato T, Inagaki M, Kitamura T.	Phosphorylation by aurora B converts MgcRacGAP to a RhoGAP during cytokinesis.	Dev Cell.	4(4)	549-560	2003
Arakawa Y, Bito H, Furuyashiki T, Tsuji T, Takemoto-Kimura S, Kimura K, Nozaki K, Hashimoto N, Narumiya S.	Control of axon elongation via an SDF-1alpha/Rho/mDia pathway in cultured cerebellar granule neurons.	J Cell Biol	161(2)	381-391	2003
Yamashiro S, Totsukawa G, Yamakita Y, Sasaki Y, Madaule P, Ishizaki T, Narumiya S, Matsumura F.	Citron kinase, a Rho-dependent kinase, induces di-phosphorylation of regulatory light chain of myosin II.	Mol Biol Cell	14(5)	1745-1756	2003
Thunkeo D, Keel J, Ishizaki T, Hirose M, Nonomura K, Oshima H, Oshima M, Taketo MM, Narumiya S.	Targeted disruption of the mouse rho-associated kinase 2 gene results in intrauterine growth retardation and fetal death.	Mol Cell Biol	23(14)	5043-5055	2003