

Keyword index

Adenosine A_{2A} receptor mRNA

Adenosine, extracellular level; 6-Hydroxydopamine-lesion; Microdialysis; Striatum (Pinna, A. (446) 75)

Adenosine, extracellular level

6-Hydroxydopamine-lesion; Microdialysis; Adenosine A_{2A} receptor mRNA; Striatum (Pinna, A. (446) 75)

Adrenal gland

Nicotine; Adrenaline; Noradrenaline; Nicotinic receptor; (Rat) (Yokotani, K. (446) 83)

Adrenaline

Nicotine; Noradrenaline; Adrenal gland; Nicotinic receptor; (Rat) (Yokotani, K. (446) 83)

β-Adrenoceptor

Astrocyte; Hippocampal neuron; Clenbuterol; Cerebral ischemia; Middle cerebral artery occlusion (Junker, V. (446) 25)

Allergy

Dermatitis; Phosphodiesterase 4 inhibitor; AWD 12-281; SB 207499; Toluenediisocyanate (Bäumer, W. (446) 195)

Anesthesia

Barbiturates; Cytoprotection; Glucose phosphorylation; Glutamate; Oxidative metabolism (Peng, L. (446) 53)

Anxiety

MDMA (3,4-methylenedioxymethamphetamine); 5-HT (5-hydroxytryptamine, serotonin); Ecstasy; Neurotoxicity; (Rat) (Gurtman, C.G. (446) 89)

Apoptosis

Endotoxic shock; Inflammatory cytokine; TNF-α; Interleukin-10; Fibrosis; TGF-β (Oku, H. (446) 167)

Astrocyte

β-Adrenoceptor; Hippocampal neuron; Clenbuterol; Cerebral ischemia; Middle cerebral artery occlusion (Junker, V. (446) 25)

AWD 12-281

Allergy; Dermatitis; Phosphodiesterase 4 inhibitor; SB 207499; Toluenediisocyanate (Bäumer, W. (446) 195)

Baclofen

GHB (gamma-hydroxybutyrate) binding site; RS-NCS-382; R-NCS-382; S-NCS-382; GABA_B receptor (Castelli, M.P. (446) 1)

Barbiturates

Anesthesia; Cytoprotection; Glucose phosphorylation; Glutamate; Oxidative metabolism (Peng, L. (446) 53)

Behavioral tolerance

Cocaine continuous; Dopamine autoreceptor; Cocaine duration; Rat (King, G.R. (446) 111)

Betahistine dihydrochloride

Histidine decarboxylase; Histamine H₃ receptor; In situ hybridization; Radioautography; Vestibular nuclei; Tuberomammillary nuclei; (Cat) (Tighilet, B. (446) 63)

Cell proliferation

Extracellular signal-regulated kinase; p38 mitogen-activated protein kinase; Transmural pressure; Vascular smooth muscle cell; Signal transduction (Tsuda, Y. (446) 15)

Cerebral ischemia

β-Adrenoceptor; Astrocyte; Hippocampal neuron; Clenbuterol; Middle cerebral artery occlusion (Junker, V. (446) 25)

Cervical uterine segment

Ovarin uterine segment; Serotonin; Prostaglandin F_{2α}; Oxytocin; Uterine contractility (Oropeza, M.V. (446) 161)

Clenbuterol

β-Adrenoceptor; Astrocyte; Hippocampal neuron; Cerebral ischemia; Middle cerebral artery occlusion (Junker, V. (446) 25)

Cocaine continuous

Behavioral tolerance; Dopamine autoreceptor; Cocaine duration; Rat (King, G.R. (446) 111)

Cocaine duration

Cocaine continuous; Behavioral tolerance; Dopamine autoreceptor; Rat (King, G.R. (446) 111)

Collagen

Melanin; Gentamicin; Prolidase; Fibroblast (Wrześniok, D. (446) 7)

Constitutive internalization

μ-Opioid receptor; Naltrexone; Receptor up-regulation; Dynamin-2; G-protein receptor kinase-2 (Patel, M. (446) 37)

Corpus cavernosum

Evodiamine; K⁺ channel; Cyclic nucleotide (Chiou, W.-F. (446) 151)

Cyclic nucleotide

Evodiamine; Corpus cavernosum; K⁺ channel (Chiou, W.-F. (446) 151)

Cytokine

Pirfenidone; Inflammation; TNF-α (tumor necrosis factor-α); Translation; MAPK2 (mitogen-activated protein) kinase 2 (Nakazato, H. (446) 177)

Cytoprotection

Anesthesia; Barbiturates; Glucose phosphorylation; Glutamate; Oxidative metabolism (Peng, L. (446) 53)

Dermatitis

Allergy; Phosphodiesterase 4 inhibitor; AWD 12-281; SB 207499; Toluenediisocyanate (Bäumer, W. (446) 195)

Dopamine autoreceptor

Cocaine continuous; Behavioral tolerance; Cocaine duration; Rat (King, G.R. (446) 111)

Dopamine receptor

Endomorphin-1; Endomorphin-2; μ -Opioid receptor; Passive avoidance learning; (Mouse) (Ukai, M. (446) 97)

Dynamin-2

μ -Opioid receptor; Naltrexone; Receptor up-regulation; Constitutive internalization; G-protein receptor kinase-2 (Patel, M. (446) 37)

Ecstasy

MDMA (3,4-methylenedioxymethamphetamine); 5-HT (5-hydrotryptamine, serotonin); Anxiety; Neurotoxicity; (Rat) (Gurtman, C.G. (446) 89)

Endomorphin-1

Endomorphin-2; μ -Opioid receptor; Passive avoidance learning; Dopamine receptor; (Mouse) (Ukai, M. (446) 97)

Endomorphin-2

Endomorphin-1; μ -Opioid receptor; Passive avoidance learning; Dopamine receptor; (Mouse) (Ukai, M. (446) 97)

Endotoxic shock

Inflammatory cytokine; TNF- α ; Interleukin-10; Apoptosis; Fibrosis; TGF- β (Oku, H. (446) 167)

Estrogen

Iboxifene; Nitric oxide (NO) (Christopher, T.A. (446) 139)

Evodiamine

Corpus cavernosum; K^+ channel; Cyclic nucleotide (Chiou, W.-F. (446) 151)

Extracellular signal-regulated kinase

Cell proliferation; p38 mitogen-activated protein kinase; Transmural pressure; Vascular smooth muscle cell; Signal transduction (Tsuda, Y. (446) 15)

Fibroblast

Melanin; Collagen; Gentamicin; Prolidase (Wrześniok, D. (446) 7)

Fibrosis

Endotoxic shock; Inflammatory cytokine; TNF- α ; Interleukin-10; Apoptosis; TGF- β (Oku, H. (446) 167)

GABA_A receptor

Malnutrition; Septum (Steiger, J.L. (446) 201)

GABA_B receptor

GHB (gamma-hydroxybutyrate) binding site; RS-NCS-382; R-NCS-382; S-NCS-382; Baclofen (Castelli, M.P. (446) 1)

Gentamicin

Melanin; Collagen; Prolidase; Fibroblast (Wrześniok, D. (446) 7)

GHB (gamma-hydroxybutyrate) binding site

RS-NCS-382; R-NCS-382; S-NCS-382; Baclofen; GABA_B receptor (Castelli, M.P. (446) 1)

Glucose phosphorylation

Anesthesia; Barbiturates; Cytoprotection; Glutamate; Oxidative metabolism (Peng, L. (446) 53)

Glutamate

Anesthesia; Barbiturates; Cytoprotection; Glucose phosphorylation; Oxidative metabolism (Peng, L. (446) 53)

G-protein coupling

Opiate withdrawal; Morphine; Opioid receptor; [³⁵S]GTP- γ S-binding (Kirschke, C. (446) 43)

G-protein receptor kinase-2

μ -Opioid receptor; Naltrexone; Receptor up-regulation; Constitutive internalization; Dynamin-2 (Patel, M. (446) 37)

Heroin

μ -Opioid receptor; Knockout mice; Place conditioning; Locomotor activity (Contarino, A. (446) 103)

High-energy phosphate

Ischemia/reperfusion injury; K_{ATP} channel opener; Mitochondrion; Mitochondrial K_{ATP} channel; Nicorandil (Iwai, T. (446) 119)

Hippocampal neuron

β -Adrenoceptor; Astrocyte; Clenbuterol; Cerebral ischemia; Middle cerebral artery occlusion (Junker, V. (446) 25)

Histamine H₃ receptor

Histidine decarboxylase; Betahistine dihydrochloride; In situ hybridization; Radioautography; Vestibular nuclei; Tuberomammillary nuclei; (Cat) (Tighilet, B. (446) 63)

Histidine decarboxylase

Histamine H₃ receptor; Betahistine dihydrochloride; In situ hybridization; Radioautography; Vestibular nuclei; Tuberomammillary nuclei; (Cat) (Tighilet, B. (446) 63)

5-HT (5-hydrotryptamine, serotonin)

MDMA (3,4-methylenedioxymethamphetamine); Ecstasy; Anxiety; Neurotoxicity; (Rat) (Gurtman, C.G. (446) 89)

6-Hydroxydopamine-lesion

Adenosine, extracellular level; Microdialysis; Adenosine A_{2A} receptor mRNA; Striatum (Pinna, A. (446) 75)

Iberitoxin

Nitroglycerin; Nitrate tolerance; K^+ channel (Gruhn, N. (446) 145)

Iboxifene

Estrogen; Nitric oxide (NO) (Christopher, T.A. (446) 139)

Inflammation

Pirfenidone; Cytokine; TNF- α (tumor necrosis factor- α); Translation; MAPK2 (mitogen-activated protein) kinase 2 (Nakazato, H. (446) 177)

Inflammatory cytokine

Endotoxic shock; TNF- α ; Interleukin-10; Apoptosis; Fibrosis; TGF- β (Oku, H. (446) 167)

In situ hybridization

Histidine decarboxylase; Histamine H₃ receptor; Betahistine dihydrochloride; Radioautography; Vestibular nuclei; Tuberomammillary nuclei; (Cat) (Tighilet, B. (446) 63)

Interleukin-10

Endotoxic shock; Inflammatory cytokine; TNF- α ; Apoptosis; Fibrosis; TGF- β (Oku, H. (446) 167)

Ischemia/reperfusion injury

High-energy phosphate; K_{ATP} channel opener; Mitochondrion; Mitochondrial K_{ATP} channel; Nicorandil (Iwai, T. (446) 119)

K⁺ channel

Nitroglycerin; Iberitoxin; Nitrate tolerance (Gruhn, N. (446) 145)

Evodiamine; Corpus cavernosum; Cyclic nucleotide (Chiou, W.-F. (446) 151)

K_{ATP} channel opener

High-energy phosphate; Ischemia/reperfusion injury; Mitochondrion; Mitochondrial K_{ATP} channel; Nicorandil (Iwai, T. (446) 119)

Knockout mice

μ-Opioid receptor; Heroin; Place conditioning; Locomotor activity (Con-tarino, A. (446) 103)

Lipopolysaccharide

Rutin; Wogonin; Quercetin; Nitric oxide (NO); Prostaglandin E₂ (Shen, S.-C. (446) 187)

Locomotor activity

μ-Opioid receptor; Heroin; Knockout mice; Place conditioning (Con-tarino, A. (446) 103)

Malnutrition

GABA_A receptor; Septum (Steiger, J.L. (446) 201)

MAPK2 (mitogen-activated protein) kinase 2

Pirfenidone; Inflammation; Cytokine; TNF-α (tumor necrosis factor-α); Translation (Nakazato, H. (446) 177)

MDMA (3,4-methylenedioxymethamphetamine)

5-HT (5-hydroxytryptamine, serotonin); Ecstasy; Anxiety; Neurotoxicity; (Rat) (Gurtman, C.G. (446) 89)

Melanin

Collagen; Gentamicin; Prolidase; Fibroblast (Wrześniok, D. (446) 7)

Microdialysis

Adenosine, extracellular level; 6-Hydroxydopamine-lesion; Adenosine A_{2A} receptor mRNA; Striatum (Pinna, A. (446) 75)

Middle cerebral artery occlusion

β-Adrenoceptor; Astrocyte; Hippocampal neuron; Clenbuterol; Cerebral ischemia (Junker, V. (446) 25)

Mitochondrial K_{ATP} channel

High-energy phosphate; Ischemia/reperfusion injury; K_{ATP} channel opener; Mitochondrion; Nicorandil (Iwai, T. (446) 119)

Mitochondrion

High-energy phosphate; Ischemia/reperfusion injury; K_{ATP} channel opener; Mitochondrial K_{ATP} channel; Nicorandil (Iwai, T. (446) 119)

Morphine

Opiate withdrawal; Opioid receptor; G-protein coupling; [³⁵S]GTPγS-binding (Kirschke, C. (446) 43)

Naltrexone

μ-Opioid receptor; Receptor up-regulation; Constitutive internalization; Dynamin-2; G-protein receptor kinase-2 (Patel, M. (446) 37)

Neurotoxicity

MDMA (3,4-methylenedioxymethamphetamine); 5-HT (5-hydroxytryptamine, serotonin); Ecstasy; Anxiety; (Rat) (Gurtman, C.G. (446) 89)

Nicorandil

High-energy phosphate; Ischemia/reperfusion injury; K_{ATP} channel opener; Mitochondrion; Mitochondrial K_{ATP} channel (Iwai, T. (446) 119)

Nicotine

Adrenaline; Noradrenaline; Adrenal gland; Nicotinic receptor; (Rat) (Yokotani, K. (446) 83)

Nicotinic receptor

Nicotine; Adrenaline; Noradrenaline; Adrenal gland; (Rat) (Yokotani, K. (446) 83)

Nitrate tolerance

Nitroglycerin; Iberitoxin; K⁺ channel (Gruhn, N. (446) 145)

Nitric oxide (NO)

Idoxifene; Estrogen (Christopher, T.A. (446) 139)

Rutin; Wogonin; Quercetin; Lipopolysaccharide; Prostaglandin E₂ (Shen, S.-C. (446) 187)

Nitroglycerin

Iberitoxin; Nitrate tolerance; K⁺ channel (Gruhn, N. (446) 145)

Nonpeptide antagonist

YM471; Vasopressin V_{1A} receptor; Vasopressin V₂ receptor (Tsukada, J. (446) 129)

Noradrenaline

Nicotine; Adrenaline; Adrenal gland; Nicotinic receptor; (Rat) (Yokotani, K. (446) 83)

Opiate withdrawal

Morphine; Opioid receptor; G-protein coupling; [³⁵S]GTPγS-binding (Kirschke, C. (446) 43)

Opioid receptor

Opiate withdrawal; Morphine; G-protein coupling; [³⁵S]GTPγS-binding (Kirschke, C. (446) 43)

μ-Opioid receptor

Naltrexone; Receptor up-regulation; Constitutive internalization; Dynamin-2; G-protein receptor kinase-2 (Patel, M. (446) 37)

Endomorphin-1; Endomorphin-2; Passive avoidance learning; Dopamine receptor; (Mouse) (Ukai, M. (446) 97)

Heroin; Knockout mice; Place conditioning; Locomotor activity (Con-tarino, A. (446) 103)

Ovarin uterine segment

Cervical uterine segment; Serotonin; Prostaglandin F_{2α}; Oxytocin; Uterine contractility (Oropeza, M.V. (446) 161)

Oxidative metabolism

Anesthesia; Barbiturates; Cytoprotection; Glucose phosphorylation; Glutamate (Peng, L. (446) 53)

Oxytocin

Ovarin uterine segment; Cervical uterine segment; Serotonin; Prostaglandin F_{2α}; Uterine contractility (Oropeza, M.V. (446) 161)

Passive avoidance learning

Endomorphin-1; Endomorphin-2; μ-Opioid receptor; Dopamine receptor; (Mouse) (Ukai, M. (446) 97)

Phosphodiesterase 4 inhibitor

Allergy; Dermatitis; AWD 12-281; SB 207499; Toluenediisocyanate (Bäumer, W. (446) 195)

Pirfenidone

Inflammation; Cytokine; TNF-α (tumor necrosis factor-α); Translation; MAPK2 (mitogen-activated protein) kinase 2 (Nakazato, H. (446) 177)

Place conditioning

μ -Opioid receptor; Heroin; Knockout mice; Locomotor activity (Con-tarino, A. (446) 103)

p38 mitogen-activated protein kinase

Cell proliferation; Extracellular signal-regulated kinase; Transmural pres-sure; Vascular smooth muscle cell; Signal transduction (Tsuda, Y. (446) 15)

Prolidase

Melanin; Collagen; Gentamicin; Fibroblast (Wrzeńskiok, D. (446) 7)

Prostaglandin E₂

Rutin; Wogonin; Quercetin; Lipopolysaccharide; Nitric oxide (NO) (Shen, S.-C. (446) 187)

Prostaglandin F_{2α}

Ovarin uterine segment; Cervical uterine segment; Serotonin; Oxytocin; Uterine contractility (Oropeza, M.V. (446) 161)

Quercetin

Rutin; Wogonin; Lipopolysaccharide; Nitric oxide (NO); Prostaglandin E₂ (Shen, S.-C. (446) 187)

Radioautography

Histidine decarboxylase; Histamine H₃ receptor; Betahistine dihydrochlo-ride; In situ hybridization; Vestibular nuclei; Tuberomammillary nuclei; (Cat) (Tighilet, B. (446) 63)

Rat

Cocaine continuous; Behavioral tolerance; Dopamine autoreceptor; Co-caine duration (King, G.R. (446) 111)

Receptor up-regulation

μ -Opioid receptor; Naltrexone; Constitutive internalization; Dynamin-2; G-protein receptor kinase-2 (Patel, M. (446) 37)

R-NCS-382

GHB (gamma-hydroxybutyrate) binding site; RS-NCS-382; S-NCS-382; Baclofen; GABA_B receptor (Castelli, M.P. (446) 1)

RS-NCS-382

GHB (gamma-hydroxybutyrate) binding site; R-NCS-382; S-NCS-382; Baclofen; GABA_B receptor (Castelli, M.P. (446) 1)

Rutin

Wogonin; Quercetin; Lipopolysaccharide; Nitric oxide (NO); Prostaglandin E₂ (Shen, S.-C. (446) 187)

SB 207499

Allergy; Dermatitis; Phosphodiesterase 4 inhibitor; AWD 12-281; Toluenediisocyanate (Bäumer, W. (446) 195)

Septum

GABA_A receptor; Malnutrition (Steiger, J.L. (446) 201)

Serotonin

Ovarin uterine segment; Cervical uterine segment; Prostaglandin F_{2α}; Oxytocin; Uterine contractility (Oropeza, M.V. (446) 161)

[³⁵S]GTPγS-binding

Opiate withdrawal; Morphine; Opioid receptor; G-protein coupling (Kirschke, C. (446) 43)

Signal transduction

Cell proliferation; Extracellular signal-regulated kinase; p38 mitogen-activated protein kinase; Transmural pressure; Vascular smooth muscle cell (Tsuda, Y. (446) 15)

S-NCS-382

GHB (gamma-hydroxybutyrate) binding site; RS-NCS-382; R-NCS-382; Baclofen; GABA_B receptor (Castelli, M.P. (446) 1)

Striatum

Adenosine, extracellular level; 6-Hydroxydopamine-lesion; Microdialysis; Adenosine A_{2A} receptor mRNA (Pinna, A. (446) 75)

TGF-β

Endotoxic shock; Inflammatory cytokine; TNF-α; Interleukin-10; Apop-tosis; Fibrosis (Oku, H. (446) 167)

TNF-α

Endotoxic shock; Inflammatory cytokine; Interleukin-10; Apoptosis; Fi-brosis; TGF-β (Oku, H. (446) 167)

TNF-α (tumor necrosis factor-α)

Pirfenidone; Inflammation; Cytokine; Translation; MAPK2 (mitogen-activated protein) kinase 2 (Nakazato, H. (446) 177)

Toluenediisocyanate

Allergy; Dermatitis; Phosphodiesterase 4 inhibitor; AWD 12-281; SB 207499 (Bäumer, W. (446) 195)

Translation

Pirfenidone; Inflammation; Cytokine; TNF-α (tumor necrosis factor-α); MAPK2 (mitogen-activated protein) kinase 2 (Nakazato, H. (446) 177)

Transmural pressure

Cell proliferation; Extracellular signal-regulated kinase; p38 mitogen-activated protein kinase; Vascular smooth muscle cell; Signal transduc-tion (Tsuda, Y. (446) 15)

Tuberomammillary nuclei

Histidine decarboxylase; Histamine H₃ receptor; Betahistine dihydrochlo-ride; In situ hybridization; Radioautography; Vestibular nuclei; (Cat) (Tighilet, B. (446) 63)

Uterine contractility

Ovarin uterine segment; Cervical uterine segment; Serotonin; Prostaglandin F_{2α}; Oxytocin (Oropeza, M.V. (446) 161)

Vascular smooth muscle cell

Cell proliferation; Extracellular signal-regulated kinase; p38 mitogen-activated protein kinase; Transmural pressure; Signal transduction (Tsuda, Y. (446) 15)

Vasopressin V_{1A} receptor

YM471; Vasopressin V₂ receptor; Nonpeptide antagonist (Tsukada, J. (446) 129)

Vasopressin V₂ receptor

YM471; Vasopressin V_{1A} receptor; Nonpeptide antagonist (Tsukada, J. (446) 129)

Vestibular nuclei

Histidine decarboxylase; Histamine H₃ receptor; Betahistine dihydrochlo-ride; In situ hybridization; Radioautography; Tuberomammillary nuclei; (Cat) (Tighilet, B. (446) 63)

Wogonin

Rutin; Quercetin; Lipopolysaccharide; Nitric oxide (NO); Prostaglandin E₂ (Shen, S.-C. (446) 187)

YM471

Vasopressin V_{1A} receptor; Vasopressin V₂ receptor; Nonpeptide antago-nist (Tsukada, J. (446) 129)