Datasheet for ABIN5540835

anti-NMDA 1 Receptor antibody (pSer890)

Go to Product page

Overview

Quantity:	0.1 mL
Target:	NMDA 1 Receptor (NMDA R1)
Binding Specificity:	pSer890
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NMDA 1 Receptor antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of Serine 890(A-S-S(p)-F-K) derived from Human NMDAR1 (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of NMDAR1 only when phosphorylated at serine 890.
Purification:	Affinity chromatography using epitope-specific peptide

Target Details

Target:	NMDA 1 Receptor (NMDA R1)
Alternative Name:	nmda receptor 1 (NMDA R1 Products)
Background:	NMDA receptors are members of the ionotropic class of glutamate receptors, which also includes Kainate and AMPA receptors. NMDA receptors consist of NR1 subunits combined with

Target Details

	one or more NR2 (A-D) or NR3 (A-B) subunits. The ligand-gated channel is permeable to cations including Ca2+, and at resting membrane potentials NMDA receptors are inactive due to a voltage-dependent blockade of the channel pore by Mg2+. NMDA receptor activation, which requires binding of glutamate and glycine, leads to an influx of Ca2+ into the postsynaptic region where it activates several signaling cascades, including pathways leading to the induction of long-term potentiation (LTP) and depression (LTD). NMDA receptors have a critical role in excitatory synaptic transmission and plasticity in the CNS. They govern a range of physiological conditions including neurological disorders caused by excitotoxic neuronal injury, psychiatric disorders and neuropathic pain syndromes.
UniProt:	Q05586

Application Details

Application Notes:	Immunohistochemistry on paraffin sections: 1:50~1:100. Immunofluorescence: 1:100~1:200.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months