Recombinant Neurexophilin-1/NXPH1 Monoclonal Antibody

catalog number: AN300582P

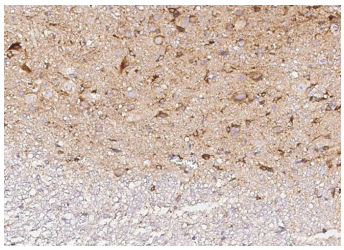
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

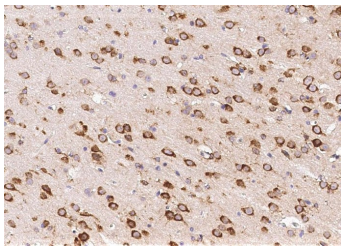
Reactivity	Rat
Immunogen	Recombinant Rat Neurexophilin-1/NXPH1 protein
Host	Rabbit
Isotype	IgG
Clone	B517
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
IHC-P	1:10000-1:20000

Data



Immunohistochemistry of paraffin-embedded rat spinal cord using Neurexophilin-1/NXPH1 Monoclonal Antibody at dilution of 1:20000.



Immunohistochemistry of paraffin-embedded rat brain using Neurexophilin-1/NXPH1 Monoclonal Antibody at dilution of 1:20000.

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

Neurexophilin-1 or NXPH1 is a secreted glycoprotein, which belongs to the Neurexophilin family. The Neurexophilin family contains at least four genes and resembles a neuropeptide, suggesting a function as an endogenous ligand for alpha-neurexins. The mammalian brains contain four genes for neurexophilins the products of which share a common structure composed of five domains: an N-terminal signal peptide, a variable N-terminal domain, a highly conserved central domain that is N-glycosylated, a short linker region, and a conserved C-terminal domain that is cysteine-rich. Neurexophilin-1 constitutes a secreted cysteine-rich glycoprotein, forms a very tight complex with alpha neurexins, a group of proteins that promote adhesion between dendrites and axons. Neurexophilins 1 and 3 but not 4 (neurexophilin 2 is not expressed in rodents) bind to a single individual LNS domain, the second overall LNS domain in all three alpha-neurexins.

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