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Neurexin 2 Rabbit pAb

Catalog # AP96193

Product Information

Application	WB
Primary Accession	Q9P2S2
Other Accession	Q9P2S2
Reactivity	Human
Predicted	Rat, Mouse, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	184982
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Neurexin 2
Epitope Specificity	231-330/1712
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane; single-pass type I membrane protein.
SIMILARITY	Belongs to the neurexin family. Contains 3 EGF-like domains. Contains 6 laminin G-like domains.
SUBUNIT	The laminin G-like domain 1 binds to NXPH1. Specific isoforms bind to alpha-dystroglycan. Interacts with INADL.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the neurexin gene family. The products of these genes function as cell adhesion molecules and receptors in the vertebrate nervous system. These genes utilize two promoters. The majority of transcripts are produced from the upstream promoter and encode alpha-neurexin isoforms while a smaller number of transcripts are produced from the downstream promoter and encode beta-neuresin isoforms. The alpha-neurexins contain epidermal growth factor-like (EGF-like) sequences and laminin G domains, and have been shown to interact with neurexophilins. The beta-neurexins lack EGF-like sequences and contain fewer laminin G domains than alpha-neurexins. Alternative splicing and the use of alternative promoters may generate thousands of transcript variants (PMID: 12036300, PMID: 11944992).[provided by RefSeq, Jun 2010]

Additional Information

Gene ID	9379
Other Names	6430591O13Rik; mKIAA0921; NRX2A_HUMAN; NRXN2; Neurexin II-alpha; Neurexin-2-alpha; KIAA0921; NRX2A_RAT; neurexin 2; neurexin II
Target/Specificity	Predominantly expressed in brain.

Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	NRXN2
Synonyms	KIAA0921
Function	Neuronal cell surface protein that may be involved in cell recognition and cell adhesion. May mediate intracellular signaling.
Cellular Location	Presynaptic cell membrane {ECO:0000250|UniProtKB:Q9CS84}; Single-pass type I membrane protein
Tissue Location	Predominantly expressed in brain.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.