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NRXN1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21335a

Product Information

Application	WB, E
Primary Accession	P58400
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52794
Calculated MW	50424

Additional Information

Gene ID	9378
Other Names	Neurexin-1-beta, Neurexin I-beta, NRXN1
Target/Specificity	This NRXN1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 77-110 amino acids from the N-terminal region of human NRXN1.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NRXN1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NRXN1 (HGNC:8008)
Function	Neuronal cell surface protein involved in cell recognition and cell adhesion by forming intracellular junctions through binding to neuroligins (By similarity). Plays a role in formation of synaptic junctions (By similarity). Functions as part of a trans-synaptic complex by binding to cerebellins and postsynaptic GRID1. This interaction helps regulate the activity of NMDA and

	AMPA receptors at hippocampal synapses without affecting synapse formation. NRXN1B-CBLN2- GRID1 complex transduce presynaptic signals into postsynaptic NMDAR response (By similarity).
Cellular Location	Presynaptic cell membrane {ECO:0000250|UniProtKB:P0DI97}; Single-pass type I membrane protein

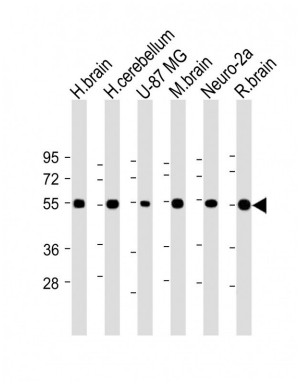
Background

Neuronal cell surface protein that may be involved in cell recognition and cell adhesion by forming intracellular junctions through binding to neuroligins. May play a role in formation or maintenance of synaptic junctions. May mediate intracellular signaling. May play a role in angiogenesis (By similarity).

References

Kleiderlein J.J.,et al.Hum. Genet. 103:666-673(1998).
Hillier L.W.,et al.Nature 434:724-731(2005).
Chen X.,et al.Nat. Struct. Mol. Biol. 15:50-56(2008).

Images



All lanes : Anti-NRXN1 Antibody (N-term) at 1:2000 dilution Lane 1: Human brain lysate Lane 2: Human cerebellum lysate Lane 3: U-87 MG whole cell lysate Lane 4: Mouse brain lysate Lane 5: Neuro-2a whole cell lysate Lane 6: Rat brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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