



# NRX1B rabbit pAb

Cat No.:ES9897

For research use only

## Overview

<b>Product Name</b>	NRX1B rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse
<b>Recommended dilutions</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 260-340
<b>Specificity</b>	NRX1B Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C . Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Neurexin-1-beta (Neurexin I-beta)
<b>Gene Name</b>	NRXN1
<b>Cellular localization</b>	Cell junction, synapse, presynaptic cell membrane ; Single-pass type I membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	48kD
<b>Human Gene ID</b>	9378
<b>Human Swiss-Prot Number</b>	P58400
<b>Alternative Names</b>	
<b>Background</b>	alternative products:A number of isoforms are produced by alternative promoter usage including the alpha-type (shown here) and beta-type (AC P58400) isoforms which differ in their N-terminus. Additional isoforms may be produced by alternative splicing,alternative products:A number of isoforms, alpha-type (AC Q9ULB1) and beta-type (shown here), are produced by alternative promoter usage.





Beta-type isoforms differ from alpha-type isoforms in their N-terminus, function: 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., function: Neuronal cell surface protein that may be involved in cell recognition and cell adhesion. May mediate intracellular signaling., PTM: Highly O-glycosylated and minor N-glycosylated., PTM: N- and O-glycosylated., similarity: Belongs to the neurexin family., similarity: Contains 1 laminin G-like domain., similarity: Contains 3 EGF-like domains., similarity: Contains 6 laminin G-like domains., subunit: The cytoplasmic C-terminal region binds to CASK, CASKIN1 and APBA1. The laminin G-like domain 2 binds to NXPH1. Specific isoforms bind to alpha-dystroglycan and to alpha-latroxin. Interacts with SYT13 and SYTL1., subunit: The cytoplasmic C-terminal region binds to CASK. Isoforms Beta 4b bind neuroligins NLGN1, NLGN2 and NLGN3, alpha-dystroglycan and alpha-latrotoxin., tissue specificity: Heart and brain.,

