Product Name: **Neurexin I Rabbit Polyclonal Antibody**
Catalog #: **APRab14596**
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300
Molecular Weight	150kDa

Antigen Information

Gene Name	NRXN1
Alternative Names	NRXN1; KIAA0578; Neurexin-1-alpha; Neurexin I-alpha
Gene ID	9378.0
SwissProt ID	Q9ULB1
Immunogen	The antiserum was produced against synthesized peptide derived from human NRXN1. AA range:502-551

Background

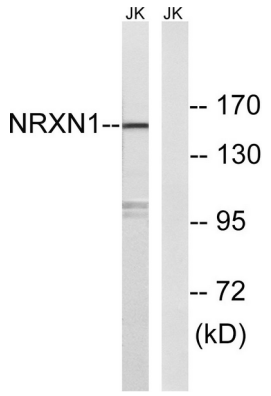
NRXN1 (neurexin 1) encodes a single-pass type I membrane protein that belongs to the neurexin family. Neurexins are cell-

surface receptors that bind neuroligins to form Ca(2+)-dependent neurexin/neuroligin complexes at synapses in the central nervous system. This complex is required for efficient neurotransmission and is involved in the formation of synaptic contacts. Three members of this gene family have been studied in detail and are estimated to generate over 3000 variants through the use of two alternative promoters (alpha and beta) and extensive alternative splicing in each family member. Recently, a third promoter (gamma) was identified for NRXN1 in the 3' region. Mutations in NRXN1 are associated with Pitt-Hopkins-like syndrome-2 and may contribute to susceptibility to schizophrenia. cell morphogenesis,cell morphogenesis involved in differentiation,cell motion,cell adhesion,cell-cell signaling,synaptic transmission,axonogenesis,axon guidance,synaptogenesis,transmission of nerve impulse,biological adhesion,cell projection organization,neuron differentiation,neuron projection development,cellular component morphogenesis,cell part morphogenesis,extracellular structure organization,neuron development,cell morphogenesis involved in neuron differentiation,neuron projection morphogenesis,cell projection morphogenesis,synapse organization,neurological system process,

Research Area

Cell adhesion molecules (CAMs);

Image Data



Western blot analysis of lysates from Jurkat cells, using NRXN1 Antibody. The lane on the right is blocked with the synthesized peptide.