

Neurexin I Polyclonal Antibody

Catalog No: YT3056

Reactivity: Human; Mouse; Rat

Applications: WB;IHC

Target: Neurexin I

Gene Name: NRXN1

Protein Name: Neurexin-1-alpha

Q9ULB1

Q9CS84

Human Gene Id: 9378

Human Swiss Prot

No:

Mouse Gene Id: 18189

Mouse Swiss Prot

No:

Rat Gene ld: 60391

Rat Swiss Prot No: Q63372

Immunogen: The antiserum was produced against synthesized peptide derived from human

NRXN1. AA range:502-551

Specificity: Neurexin I Polyclonal Antibody detects endogenous levels of Neurexin I protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500-2000;IHC 1:50-300

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.



Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 150kD

Cell Pathway: Cell adhesion molecules (CAMs);

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.

Function: 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,

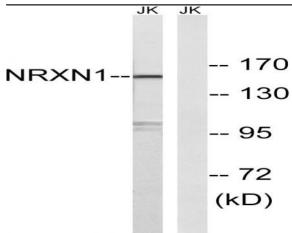
Subcellular Location : Cell junction, synapse, presynaptic cell membrane; Single-pass type I

membrane protein.

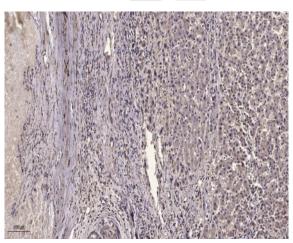
Expression: Brain.

Products Images





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



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).