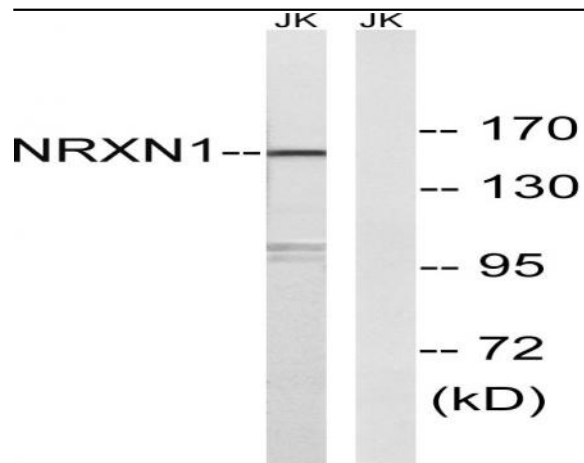


Neurexin I Polyclonal Antibody

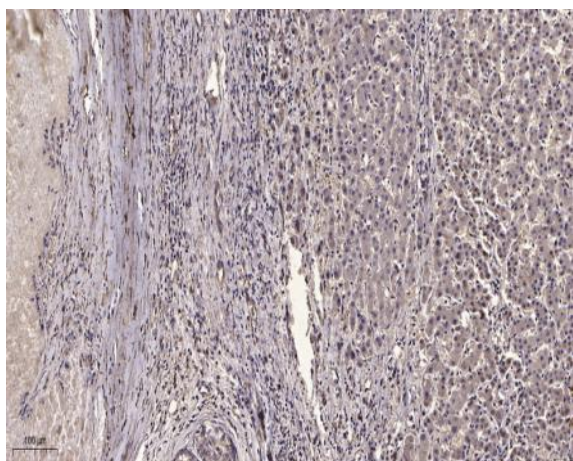
Catalog No :	YT3056
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC
Target :	Neurexin I
Gene Name :	NRXN1
Protein Name :	Neurexin-1-alpha
Human Gene Id :	9378
Human Swiss Prot No :	Q9ULB1
Mouse Gene Id :	18189
Mouse Swiss Prot No :	Q9CS84
Rat Gene Id :	60391
Rat Swiss Prot No :	Q63372
Immunogen :	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 :	<p>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.</p>
Function :	<p>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,</p>
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).