



# Neurexin III $\beta$ Polyclonal Antibody

Catalog No	BYab-12751
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA;IHC
Gene Name	NRXN3
Protein Name	Neurexin-3-beta
Immunogen	Synthesized peptide derived from Neurexin III $\beta$ . at AA range: 30-110
Specificity	Neurexin III $\beta$ Polyclonal Antibody detects endogenous levels of Neurexin III $\beta$ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	NRXN3; KIAA0743; Neurexin-3-beta; Neurexin III-beta
Observed Band	70kD
Cell Pathway	Membrane ; Single-pass type I membrane protein .
Tissue Specificity	Expressed in the blood vessel walls (at protein level).
Function	cell morphogenesis, cell morphogenesis involved in differentiation, regulation of neurotransmitter levels, generation of a signal involved in cell-cell signaling, neurotransmitter transport, cell motion, cell adhesion, cell-cell signaling, synaptic transmission, neurotransmitter secretion, axonogenesis, axon guidance, synaptogenesis, transmission of nerve impulse, biological adhesion, cell projection organization, neuron differentiation, neuron projection development,secretion by cell, cellular component morphogenesis, cell part morphogenesis, extracellular structure organization,secretion, neuron development, cell morphogenesis involved in neuron differentiation, neuron projection morphogenesis, cell projection morphogenesis, synapse organization, neurological system process,

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## Background

NRXN3 (neurexin 3) encodes a member of a family of proteins that function in the nervous system as receptors and cell adhesion molecules. Extensive alternative splicing and the use of alternative promoters results in multiple transcript variants and protein isoforms for this gene, but the full-length nature of many of these variants has not been determined. Transcripts that initiate from an upstream promoter encode alpha isoforms, which contain epidermal growth factor-like (EGF-like) sequences and laminin G domains. Transcripts initiating from the downstream promoter encode beta isoforms, which lack EGF-like sequences. Genetic variation at this locus has been associated with a range of behavioral phenotypes, including alcohol dependence and autism spectrum disorder.

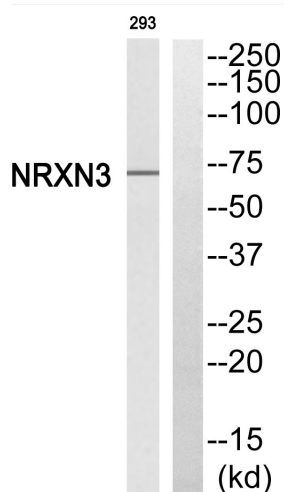
## matters needing attention

Avoid repeated freezing and thawing!

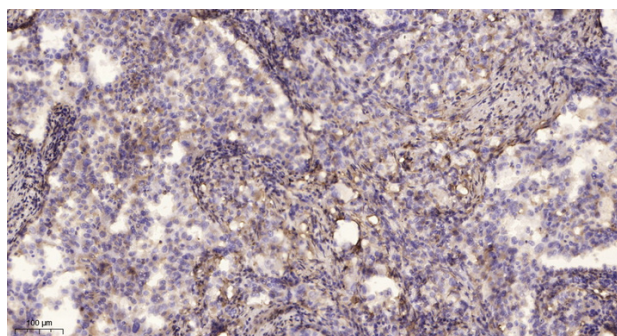
## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of NRXN3 Antibody. The lane on the right is blocked with the NRXN3 peptide.



Immunohistochemical analysis of paraffin-embedded human lung 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).