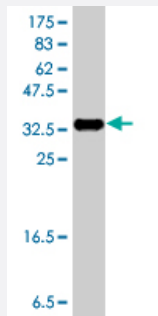


NRXN1 polyclonal antibody (A01)

Catalog # H00009378-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant NRXN1.
Immunogen	NRXN1 (NP_004792, 31 a.a. ~ 130 a.a) partial recombinant protein with GST tag.
Sequence	LEFPGAEGQWTRFPKWNACCSEMSFQLKTRSARGLVLYFDDEGFCDFLELILTRGGRLQLSFSI FCAEPATLLADTPVNDGAWHSVRIRRQFRNTLFI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — NRXN1

Entrez GeneID [9378](#)

GeneBank Accession# [NM_004801](#)

Protein Accession# [NP_004792](#)

Gene Name NRXN1

Gene Alias DKFZp313P2036, FLJ35941, Hs.22998, KIAA0578

Gene Description neurexin 1

Omim ID [600565](#)

Gene Ontology [Hyperlink](#)

Gene Summary Neurexins function in the vertebrate nervous system as cell adhesion molecules and receptors. Two neurexin genes are among the largest known in human (NRXN1 and NRXN3). By using alternative promoters, splice sites and exons, predictions of hundreds or even thousands of distinct mRNAs have been made. Most transcripts use the upstream promoter and encode alpha-neurexin isoforms; fewer transcripts are produced from the downstream promoter and encode beta-neurexin isoforms. Alpha-neurexins contain epidermal growth factor-like (EGF-like) sequences and laminin G domains, and they interact with neuroligins. Beta-neurexins lack EGF-like sequences and contain fewer laminin G domains than alpha-neurexins. The RefSeq Project has decided to create only a few representative transcript variants of the multitude that are possible. [provided by RefSeq]

Other Designations neurexin I

Publication Reference

- [Differentially expressed gene profile in the 6-hydroxy-dopamine-induced cell culture model of Parkinson's disease.](#)

Noelker C, Schwake M, Balzer-Geldsetzer M, Bacher M, Popp J, Schlegel J, Eggert K, Oertel WH, Klockgether T, Dodel R. Neuroscience Letters 2012 Jan; 507(1):10.

Application: WB, Human, SH-SY5Y cells

- [Cdk5 Promotes Synaptogenesis by Regulating the Subcellular Distribution of the MAGUK Family Member CASK.](#)

Samuels BA, Hsueh YP, Shu T, Liang H, Tseng HC, Hong CJ, Su SC, Volker J, Neve RL, Yue DT, Tsai LH.

Neuron 2007 Dec; 56(5):823.

Application: IP, Mouse, Mouse brain

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Autistic Disorder](#)
- [Child Development Disorders](#)
- [Cognition](#)
- [Developmental Disabilities](#)
- [Genetic Predisposition to Disease](#)
- [Language Development Disorders](#)
- [Mental Disorders](#)
- [Mental Retardation](#)
- [Neuropsychological Tests](#)
- [Psychotic Disorders](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)