

Rabbit anti-Human Neurexin 1 Polyclonal Antibody | anti-NRXN1 antibody

Anti-Human Neurexin 1 DyLight 488 conjugated Antibody

CATALOG # AAA124930	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

Neurexin 1; Polyclonal Antibody; Anti-Human Neurexin 1 DyLight 488 conjugated Antibody; Rabbit IgG Polyclonal Anti-Human Neurexin 1 Antibody DyLight 488 Conjugated; Flow Validated; Neurexin-1-beta; Neurexin I-beta; NRXN1; anti-NRXN1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen Affinity Purified
Form/Format	Liquid; Each vial contains 50% glycerol, 0.9% NaCL, 0.2% Na ₂ HPO ₄ 0.02% NaN ₃
Sequence Length	442
Applicable Applications for anti-NRXN1 antibody	FCM/FACS (Flow Cytometry)
Immunogen	E Coli-derived human Neurexin 1 recombinant protein (Position: D141-E294).
Conjugate	DyLight 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545nm
Preparation and Storage	Store at 2-8 degree C for one year. Protect from light. Do not freeze.

ADDITIONAL INFORMATION

Related Product Information for anti-NRXN1 antibody	Neurexin-1-alpha is a protein that in humans is encoded by the NRXN1 gene. This gene 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 3, 000 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 this gene in the 3' region. Mutations in this gene are associated with Pitt-Hopkins-like syndrome-2 and may contribute to susceptibility to schizophrenia.
References	1. Comoletti, Davide; Flynn Robyn; Jennings Lori L; Chubykin Alexander; Matsumura Takehito; Hasegawa Hana; Südhof Thomas C; Taylor Palmer (Dec 2003). "Characterization of the interaction of a recombinant soluble neuroligin-1 with neurexin-1beta". J. Biol. Chem. United States. 278 (50): 50497-50505. 2. Nguyen T, Südhof TC (1997). "Binding properties of neuroligin 1 and neurexin 1beta reveal function as heterophilic cell adhesion molecules". J. Biol. Chem. 272 (41): 26032-26039.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1052292378
NCBI GeneID	9378
NCBI Accession #	NP_001317021.1
NCBI GenBank Nucleotide #	NM_001330092.1
UniProt Accession #	P58400; E7ETA5; Q9ULB1
NCBI Official Full Name	neurexin-1 isoform beta3
NCBI Official Synonym Full Names	neurexin 1
NCBI Official Symbol	NRXN1
NCBI Official Synonym Symbols	PTHSL2; SCZD17; Hs.22998
NCBI Protein Information	neurexin-1
UniProt Protein Name	Neurexin-1-beta
UniProt Gene Name	NRXN1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/neurexin-1-antibody-flow-cytometry-elisa/124930>