

ARG64263 anti-Neurexin 1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes Neurexin 1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog
Tested Application	FACS, WB
Specificity	This antibody is expected to recognise both reported isoforms (NP_004792.1 and NP_620072.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Neurexin 1
Species	Human
Immunogen	C-KEKQPSSAKSSNKN
Conjugation	Un-conjugated
Alternate Names	Neurexin-1; PTHSL2; Neurexin-1-alpha; Neurexin I-alpha; SCZD17; Hs.22998

Application Instructions

Application table	Application	Dilution
	FACS	10 µg/ml
	WB	0.5 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 9378 Human](#)

[Swiss-port # Q9ULB1 Human](#)

Background

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 alternate 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, Oct 2008]

Research Area

Neuroscience antibody; Signaling Transduction antibody

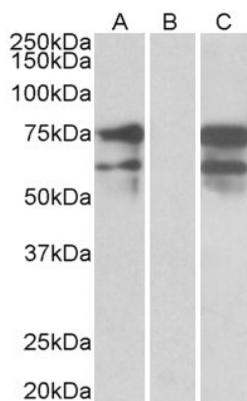
Calculated Mw

162 kDa

PTM

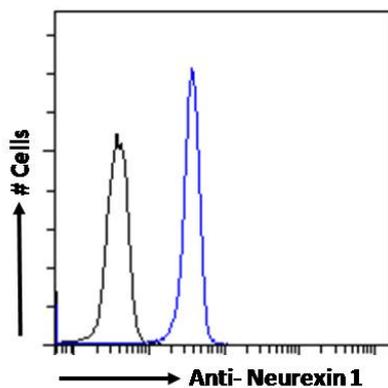
Highly O-glycosylated and minor N-glycosylated.

Images



ARG64263 anti-Neurexin 1 antibody WB image

Western blot: 10 µg of HEK293 cell lysate (in RIPA buffer) overexpressing Human NRXN1 with DYKDDDDK tag stained with ARG64263 anti-Neurexin 1 antibody at 0.5 µg/ml dilution (Lane A); Mock-transfected HEK293 stained with primary antibodies (Lane B); Overexpressing HEK293 cell lysate stained with anti-DYKDDDDK Tag at 1:3000 dilution (Lane C). Primary antibodies were incubated at RT for 1 hour.



ARG64263 anti-Neurexin 1 antibody FACS image

Flow Cytometry: Paraformaldehyde-fixed Kelly cells permeabilized with 0.5% Triton. Cells were stained with ARG64263 anti-Neurexin 1 antibody (blue line) at 10 µg/ml dilution for 1 hour, followed by incubation with Alexa FluorR 488 labelled secondary antibody. IgG control: Unimmunized goat IgG (black line).