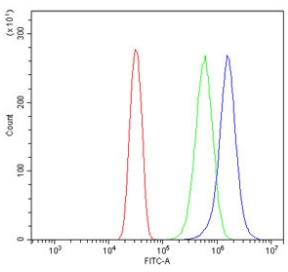
NRXN3 Antibody (RQ6203)

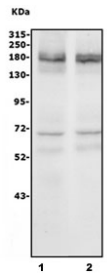
Catalog No.	Formulation	Size
RQ6203	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9HDB5
Applications	Western blot: 1-2ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This NRXN3 antibody is available for research use only.



Flow cytometry testing of human U-2 OS cells with NRXN3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= NRXN3 antibody.



Western blot testing of 1) rat brain and 2) mouse brain lysate with NRXN3 antibody. Predicted molecular weight ~185 kDa.

Description

Neurexin 3 is a protein that in humans is encoded by the NRXN3 gene. This gene 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.

Application Notes

Optimal dilution of the NRXN3 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids R294-P549) was used as the immunogen for the NRXN3 antibody.

Storage

After reconstitution, the NRXN3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.