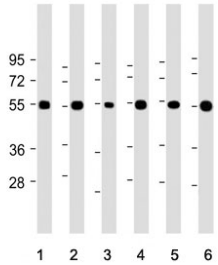
NRXN1 Antibody / Neurexin 1 beta (F55123)

Catalog No.	Formulation	Size
F55123-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55123-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-2 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P58400
Applications	Western Blot : 1:1000-1:2000
Limitations	This NRXN1 antibody is available for research use only.



Western blot testing of 1) human brain, 2) human cerebellum, 3) human U-87 MG, 4) mouse brain, 5) mouse Neuro-2a and 6) rat brain tissue lysate with FOXN1 antibody. Predicted molecular weight ~50 kDa.

Description

Neurexin 1 is primarily known for its role in the formation and maintenance of synapses, the connections between neurons that allow for communication in the brain. It acts as a cell adhesion molecule, helping to guide the development of synapses and ensuring proper signaling between neurons. Studies have shown that mutations in the NRXN1 gene can lead to disruptions in synaptic function, ultimately impacting brain development and function. These mutations have been associated with a variety of neurological disorders, including autism spectrum disorder, schizophrenia, and intellectual disabilities.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the NRXN1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 77-110 from the human protein was used as the immunogen for this NRXN1 antibody.

Storage

Store at 4oC for up to one month. For long term, aliquot the NRXN1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.