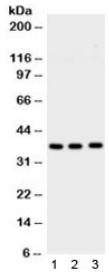
Syntaxin 1a Antibody (R32248)

Catalog No.	Formulation	Size
R32248	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	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q16623
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This Syntaxin 1a antibody is available for research use only.



Western blot testing of 1) rat brain, 2) mouse brain and 3) human U87 lysate with Syntaxin 1a antibody. Expected molecular weight ~35 kDa.

Description

Syntaxin 1a is a member of the syntaxin superfamily. Syntaxins are nervous system-specific proteins implicated in the docking of synaptic vesicles with the presynaptic plasma membrane. Syntaxins possess a single C-terminal transmembrane domain, a SNARE [Soluble NSF (N-ethylmaleimide-sensitive fusion protein)-Attachment protein REceptor] domain (known as H3), and an N-terminal regulatory domain (Habc). Syntaxins bind synaptotagminin a calcium-dependent fashion and interact with voltage dependent calcium and potassium channels via the C-terminal H3 domain. Syntaxin 1a is a key protein in ion channel regulation and synaptic exocytosis.

Application Notes

Optimal dilution of the Syntaxin 1a antibody should be determined by the researcher.

Immunogen

Amino acids MKDRTQELRTAKDSDDDDDVAVTVDRDR of human Syntaxin 1a were used as the immunogen for the Syntaxin 1a antibody.

Storage

After reconstitution, the Syntaxin 1a 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.