



Syntaxin 1 Monoclonal Antibody

Catalog No	BYmab-00771
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	STX1A
Protein Name	Syntaxin-1A
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human STX1A. AA range:31-80
Specificity	Syntaxin 1 Monoclonal Antibody detects endogenous levels of Syntaxin 1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	STX1A; STX1; Syntaxin-1A; Neuron-specific antigen HPC-1
Observed Band	30kD
Cell Pathway	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane ; Single-pass type IV membrane protein . Cell junction, synapse, synaptosome . Cell membrane . Colocalizes with KCNB1 at the cell membrane; [Isoform 2]: Secreted .
Tissue Specificity	[Isoform 1]: Highly expressed in embryonic spinal cord and ganglia and in adult cerebellum and cerebral cortex.; [Isoform 2]: Expressed in heart, liver, fat, skeletal muscle, kidney and brain.
Function	disease:Haploinsufficiency of STX1A may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in Williams-Beuren syndrome (WBS), a rare developmental disorder. It is a contiguous gene deletion syndrome involving genes from chromosome band 7q11.23.,function:Potentially involved in docking of synaptic vesicles at presynaptic active zones. May play a critical role in neurotransmitter exocytosis.,similarity:Belongs to the syntaxin family.,similarity:Contains 1 t-SNARE coiled-coil homology domain.,subunit:Part of the SNARE core complex containing SNAP25, VAMP2 and STX1A. This complex binds to CPLX1. Binds SYTL4 and STXBP6. Found in a ternary complex
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Background

国内优质抗体供应商 精准的 WB 检测服务 24H 在线服务,欢迎咨询



with STX1A and SNAP25. Interacts with OTOF (By similarity). For with VAMP8 and SNAP23. Interacts with VAPA and SYBU.,tissuspecificity:Isoform 1 is highly expressed in embryonic spinal cho	
This gene encodes a member of the syntaxin superfamily. Syntaxin system-specific proteins implicated in the docking of synaptic vertex presynaptic plasma membrane. Syntaxins possess a single C-tetransmembrane domain, a SNARE [Soluble NSF (N-ethylmaleim fusion protein)-Attachment protein REceptor] domain (known as N-terminal regulatory domain (Habc). Syntaxins bind synaptotag calcium-dependent fashion and interact with voltage dependent potassium channels via the C-terminal H3 domain. This gene pro-	sicles with the erminal nide-sensitive H3), and an Imin in a calcium and

molecule in ion channel regulation and synaptic exocytosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Sep 2009],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Western Blot analysis of various cells using Syntaxin 1 Monoclonal Antibody Monoclonal Antibody

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