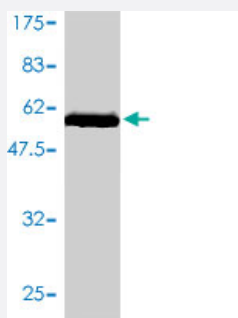


STX1A monoclonal antibody (M01), clone 1F9-1C9

Catalog # H00006804-M01

Size 100 ug

Applications



Western Blot detection against Immunogen (53.35 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant STX1A.
Immunogen	STX1A (AAH03011.1, 1 a.a. ~ 251 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKDRTQELRTAKDSDDDDVAVTVDRDRFMDEFFEQVEEIRGFIDKIAENVVEVKRKHSAILASP NPDEKTKEELEELMSDIKKTANKVRSKLKSIEQSIEQEEGLNRSSADLRIRKTQHSTLSRKVFVEVM SEYNATQSDYRERCKGRIQRQLEITGRITTTSEELEDMLESGNPAIFASGIIMDSSISKQALSEIETRH SEIKLENSIRELHDMFMDMAMLVESQTMWRGPCLTPRRPSSTRARRAGRKS
Host	Mouse
Reactivity	Human
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (53.35 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — STX1A

Entrez GeneID	6804
GeneBank Accession#	BC003011.1
Protein Accession#	AAH03011.1
Gene Name	STX1A
Gene Alias	HPC-1, STX1, p35-1
Gene Description	syntaxin 1A (brain)
Omim ID	186590
Gene Ontology	Hyperlink
Gene Summary	Synaptic vesicles store neurotransmitters that are released during calcium-regulated exocytosis. The specificity of neurotransmitter release requires the localization of both synaptic vesicles and calcium channels to the presynaptic active zone. Syntaxins function in this vesicle fusion process. Syntaxins also serve as a substrate for botulinum neurotoxin type C, a metalloprotease that blocks exocytosis and has high affinity for a molecular complex that includes the alpha-latrotoxin receptor (MIM 600565) which produces explosive exocytosis (Zhang et al., 1995 [PubMed 7622072]).[supplied by OMIM]
Other Designations	-

Pathway

- [SNARE interactions in vesicular transport](#)

Disease

- [Alzheimer disease](#)
- [Autistic Disorder](#)
- [Cardiovascular Diseases](#)
- [Developmental Disabilities](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Kidney Failure](#)
- [Mental Retardation](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Overweight](#)
- [Schizophrenia](#)