Rabbit anti-Human STX1A Monoclonal Antibody | anti-STX1A antibody

STX1A Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282704	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

STX1A; Monoclonal Antibody; STX1A Rabbit mAb; STX1; HPC-1; P35-1; SYN1A; anti-STX1A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MKDRTQELRT AKDSDDDDDV AVTVDRDRFM DEFFEQVEEI RGFIDKIAEN VEEVKRKHSA ILASPNPDEK TKEELEELMS DIKKTANKVR SKLKSIEQSI
Applicable Applications for anti-STX1A antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human STX1A (Q16623).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

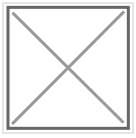
IMAGES

IF (Immunofluorescence)
Immunofluorescence analysis of paraffin-embedded mouse brain using STX1A Rabbit mAb (AAA282704) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

IF (Immunofluorescence)
Immunofluorescence analysis of paraffin-embedded rat brain using STX1A Rabbit mAb (AAA282704) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.

IHC (Immunohistochemisry)
Immunohistochemistry analysis of paraffin-embedded Mouse brain using STX1A Rabbit mAb (AAA282704) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.

WB (Western Blot)
Western blot analysis of various lysates using STX1A Rabbit mAb (AAA282704) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 180s.



WB (Western Blot)
Western blot analysis of lysates from Rat brain, using STX1A Rabbit mAb (AAA282704) at 1:1000 dilution.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 5s.

ADDITIONAL INFORMATION

Related Product Information for anti-STX1A antibody	This gene encodes 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 synaptotagmin in a calcium-dependent fashion and interact with voltage dependent calcium and potassium channels via the C-terminal H3 domain. This gene product is a key molecule in ion channel regulation and synaptic exocytosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-STX1A antibody	Cancer; Signal Transduction; Endocrine Metabolism; Neuroscience; Cell Type Marker; Neuron marker; Synapse marker; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	259906442
NCBI GeneID	6804
NCBI Accession #	NP_001159375.1
NCBI GenBank Nucleotide #	NM_001165903.1
UniProt Accession #	Q16623; O15447; O15448; Q12936; Q75MD9; Q9BPZ6
Molecular Weight	Calculated MW: 33kDa Observed MW: 33kDa
UniProt Protein Name	Syntaxin-1A
UniProt Gene Name	**STX1A**
UniProt Synonym Gene Names	STX1
UniProt Entry Name	STX1A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/stx1a-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/282704