

Rabbit STX1A Polyclonal Antibody | anti-STX1A antibody

STX1A Antibody (N-term)

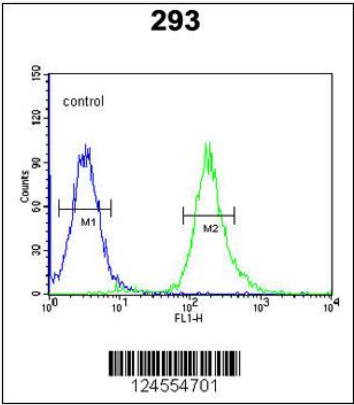
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286249	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

STX1A; Polyclonal Antibody; STX1A Antibody (N-term); Syntaxin-1A; Neuron-specific antigen HPC-1; STX1; anti-STX1A antibody

PRODUCT SPECIFICATIONS

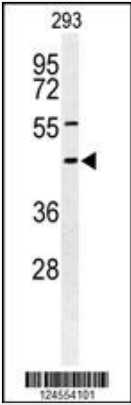
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This STX1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 29-57 amino acids from the N-terminal region of human STX1A.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	29-57
Sequence Length	251
Applicable Applications for anti-STX1A antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
STX1A Antibody (N-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
STX1A Antibody (N-term) IHC analysis in formalin fixed and paraffin embedded skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the STX1A Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of STX1A Antibody (N-term) in 293 cell line lysates (35ug/lane). STX1A (arrow) was detected using the purified Pab.

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.
Product Categories/Family for anti-STX1A antibody	Cancer; Metabolism; Neuroscience; Signal transduction
References	Yoshida, T., et al. Int. J. Mol. Med. 24(2):233-246(2009) Hamdan, F.F., et al. Ann. Neurol. 65(6):748-753(2009) Corominas, R., et al. Neurosci. Lett. 455(2):105-109(2009) Chen, C.S., et al. J. Biol. Chem. 284(11):6877-6884(2009) Ramakrishnan, N.A., et al. J. Biol. Chem. 284(3):1364-1372(2009) Tian, J.H., et al. J. Biol. Chem. 278(28):26265-26274(2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	259906442
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NCBI GeneID	6804
NCBI Accession #	NP_001159375.1; NP_004594.1
NCBI GenBank Nucleotide #	NM_001165903.1
UniProt Accession #	Q16623; O15447; O15448; Q12936; Q75MD9; Q7Z5K3; Q9BPZ6
Molecular Weight	33023
NCBI Official Full Name	syntaxin-1A isoform 2
NCBI Official Synonym Full Names	syntaxin 1A (brain)
NCBI Official Symbol	STX1A
NCBI Official Synonym Symbols	STX1; HPC-1; P35-1; SYN1A
NCBI Protein Information	syntaxin-1A
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/polyclonal/stx1a-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286249>