



[Go to Product page](#)

Datasheet for ABIN653770

anti-STX1A antibody (N-Term)

3 Images

Overview

| | |
|----------------------|---|
| Quantity: | 400 µL |
| Target: | STX1A |
| Binding Specificity: | AA 29-57, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This STX1A antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS) |

Product Details

| | |
|-----------------------|--|
| Immunogen: | 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. |
| Clone: | RB24554 |
| Isotype: | Ig Fraction |
| Predicted Reactivity: | M, Rat |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

| | |
|---------|-------|
| Target: | STX1A |
|---------|-------|

Target Details

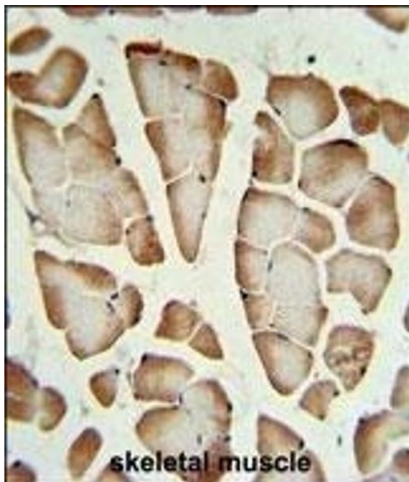
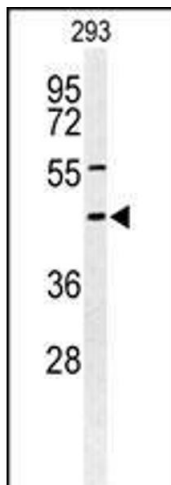
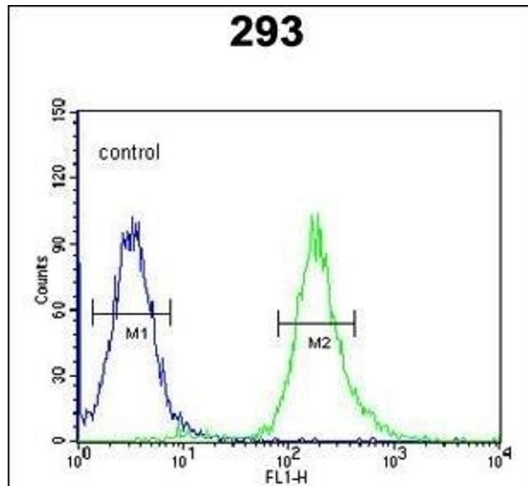
| | |
|-------------------|---|
| Alternative Name: | STX1A (STX1A Products) |
| Background: | This gene encodes a member of the syntaxin superfamily. Syntaxins are nervous system-specific proteins implicated in the docking of synaptic vesicles with the presynaptic plasma membrane. Syntaxins possess 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. |
| Molecular Weight: | 33023 |
| Gene ID: | 6804 |
| NCBI Accession: | NP_001159375 , NP_004594 |
| UniProt: | Q16623 |
| Pathways: | Peptide Hormone Metabolism , Synaptic Membrane , Synaptic Vesicle Exocytosis , Dicarboxylic Acid Transport |

Application Details

| | |
|--------------------|--|
| Application Notes: | WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50 |
| Restrictions: | For Research Use only |

Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |



Flow Cytometry

Image 1. STX1A Antibody (N-term) (ABIN653770 and ABIN2843062) 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.

Western Blotting

Image 2. Western blot analysis of STX1A Antibody (N-term) (ABIN653770 and ABIN2843062) in 293 cell line lysates (35 µg/lane). STX1A (arrow) was detected using the purified Pab.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. STX1A Antibody (N-term) (ABIN653770 and ABIN2843062) 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.