

## Rabbit anti-Human Syntaxin Monoclonal Antibody | anti-STX1A/STX1B/STX2/STX3 antibody

Syntaxin Rabbit mAb

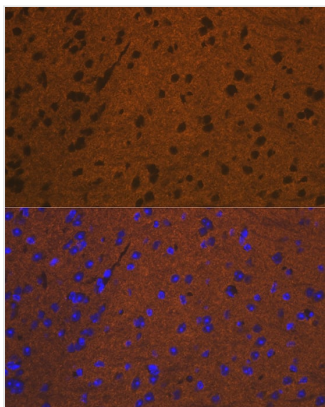
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                       |
|-----------|--------|------------|------------------------------------------------------------------------------------|
| AAA28537  | Rabbit | Human      | Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA |

### PRODUCT SYNONYMS

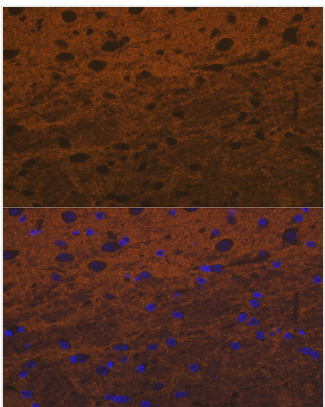
Syntaxin; Monoclonal Antibody; Syntaxin Rabbit mAb; STX1A/STX1B/STX2/STX3; anti-STX1A/STX1B/STX2/STX3 antibody

### PRODUCT SPECIFICATIONS

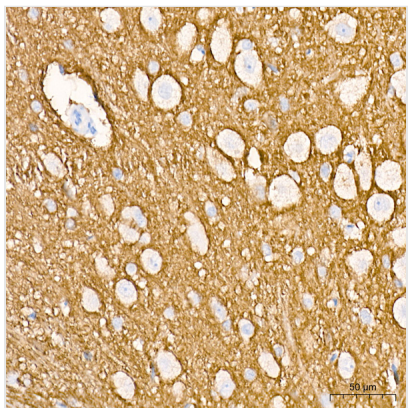
|                                                                 |                                                                                                                                                                                                       |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                        | MKDRTQELRS AKDSDEEEV VHVD RDHFMD EFFEQVEEIR GCIEKLSE DV EQVKKQHSAI LAAPNPDEKT<br>KQELEDLTAD IKKTANKVRS KLKAIEQSIE                                                                                     |
| Applicable Applications for anti-STX1A/STX1B/STX2/STX3 antibody | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA                                                                                              |
| Application Notes                                               | WB: 1:500-1:1000<br>IHC-P: 1:500-1:1000<br>IF/ICC: 1:50-1:200<br>ELISA: Recommended starting concentration is 1ug/mL.<br>Please optimize the concentration based on your specific assay requirements. |
| Cross Reactivity                                                | Human, Mouse, Rat                                                                                                                                                                                     |
| Immunogen                                                       | A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Syntaxin (P61266).                                                                                                  |
| Preparation and Storage                                         | Store at -20 degree C. Avoid freeze/thaw cycles.                                                                                                                                                      |



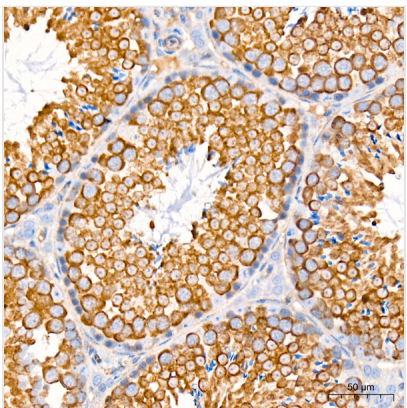
**IF (Immunofluorescence)**  
Immunofluorescence analysis of paraffin-embedded mouse brain using Syntaxin Rabbit mAb (AAA28537) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



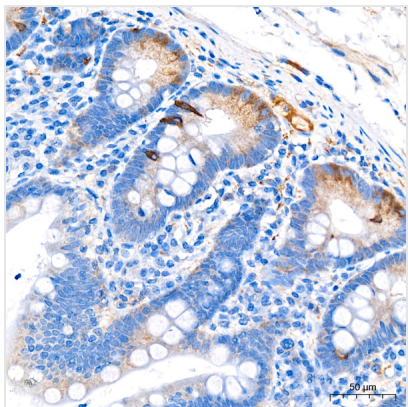
**IF (Immunofluorescence)**  
Immunofluorescence analysis of paraffin-embedded rat brain using Syntaxin Rabbit mAb (AAA28537) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



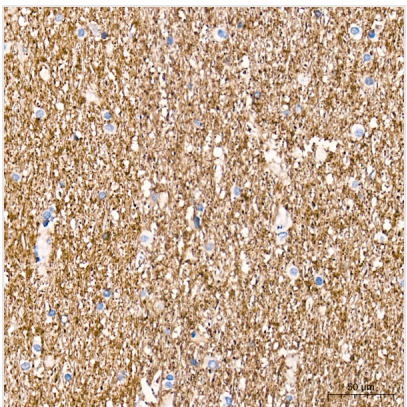
**IHC (Immunohistochemistry)**  
Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Syntaxin Rabbit mAb (AAA28537) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



**IHC (Immunohistochemistry)**  
Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using Syntaxin Rabbit mAb (AAA28537) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



**IHC (Immunohistochemistry)**  
Immunohistochemistry analysis of paraffin-embedded Human colon tissue using Syntaxin Rabbit mAb (AAA28537) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



**IHC (Immunohistochemistry)**  
Immunohistochemistry analysis of paraffin-embedded Human brain tissue using Syntaxin Rabbit mAb (AAA28537) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.

ADDITIONAL INFORMATION

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-STX1A/STX1B/STX2/STX3 antibody | The protein encoded by this gene belongs to a family of proteins thought to play a role in the exocytosis of synaptic vesicles. Vesicle exocytosis releases vesicular contents and is important to various cellular functions. For instance, the secretion of transmitters from neurons plays an important role in synaptic transmission. After exocytosis, the membrane and proteins from the vesicle are retrieved from the plasma membrane through the process of endocytosis. Mutations in this gene have been identified as one cause of fever-associated epilepsy syndromes. A possible link between this gene and Parkinson's disease has also been suggested. [provided by RefSeq, Jan 2015] |
| Product Categories/Family for anti-STX1A/STX1B/STX2/STX3 antibody   | Neuroscience; Neurotransmission; Secretory Vesicles; SNAPS & SNAREs; Signal Transduction; Protein Trafficking; Cell Type Marker; Neuron marker; Synapse marker; Cancer Cancer; Metabolism Metabolic; signaling pathway; Integration of energy metabolism; Energ                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                            |                                            |
|----------------------------|--------------------------------------------|
| NCBI GI #                  | 259906442                                  |
| NCBI GeneID                | 6804/112755/2054/6809                      |
| NCBI Accession #           | NP_001159375.1                             |
| NCBI GenBank Nucleotide #  | NM_001165903.1                             |
| UniProt Accession #        | Q16623; P61266                             |
| Molecular Weight           | Calculated MW: 33kDa<br>Observed MW: 35kDa |
| 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/syntaxin-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28537>