

## Product datasheet for **TA382167**

### Syntaxin 1a (STX1A) Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | ICC/IF, IHC, WB   |
| Recommended Dilution:   | WB,1:500 - 1:2000<br>IHC,1:100 - 1:200<br>IF,1:50 - 1:200 |
| Reactivity:             | Mouse, Rat  |
| Modifications:          | Unmodified  |
| Host:                   | Rabbit  |
| Isotype:                | IgG   |
| Clonality:              | Polyclonal  |
| Immunogen:              | A synthetic peptide of human STX1A                        |
| Formulation:            | Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.   |
| Concentration:          | lot specific  |
| Purification:           | Affinity purification                                     |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C. Avoid freeze / thaw cycles.               |
| Stability:              | Shelf life: one year from despatch.                       |
| Predicted Protein Size: | 28kDa/29kDa/33kDa   |
| Gene Name:              | syntaxin 1A   |
| Database Link:          | <a href="#">Q16623</a>                                    |



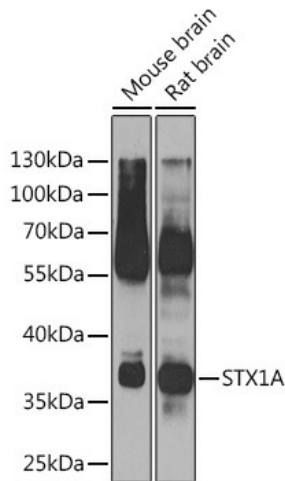
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**Background:**

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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

**Synonyms:**

HPC-1; p35-1; STX1

**Product images:**

Western blot analysis of extracts of various cell lines, using STX1A Rabbit pAb (TA382167) at 1:500 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 90s.