

**STX3 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP2818c****Specification**

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**STX3 Antibody (Center) - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB, IHC-P,E                                     |
| Primary Accession | <a href="#">Q13277</a>                          |
| Other Accession   | <a href="#">Q08849</a> , <a href="#">Q64704</a> |
| Reactivity        | Human   |
| Predicted         | Mouse, Rat                                      |
| Host              | Rabbit  |
| Clonality         | Polyclonal                                      |
| Isotype           | Rabbit IgG                                      |
| Calculated MW     | 33155   |
| Antigen Region    | 178-205   |

**STX3 Antibody (Center) - Additional Information****Gene ID** 6809**Other Names**

Syntaxin-3, STX3, STX3A

**Target/Specificity**

This STX3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 178-205 amino acids from the Central region of human STX3.

**Dilution**

WB~~1:1000

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

STX3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**STX3 Antibody (Center) - Protein Information****Name** STX3

### Synonyms STX3A

**Function** Potentially involved in docking of synaptic vesicles at presynaptic active zones. Apical receptor involved in membrane fusion of apical vesicles.

### Cellular Location

[Isoform A]: Apical cell membrane; Single-pass type IV membrane protein. Note=Localized to the inner and outer plexiform layers, the cell body and the inner segments of photoreceptors {ECO:0000250|UniProtKB:Q64704}

### Tissue Location

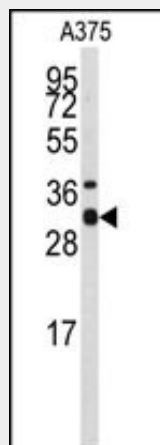
[Isoform A]: Expressed in small intestine, kidney, pancreas, placenta as well as in retina. Weaker expression in lung, liver and heart. Not expressed in brain and skeletal muscle [Isoform 3]: Ubiquitously expressed.

### STX3 Antibody (Center) - Protocols

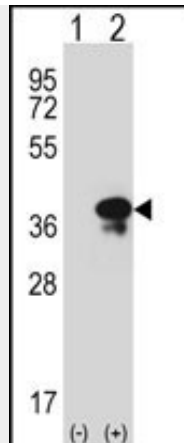
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

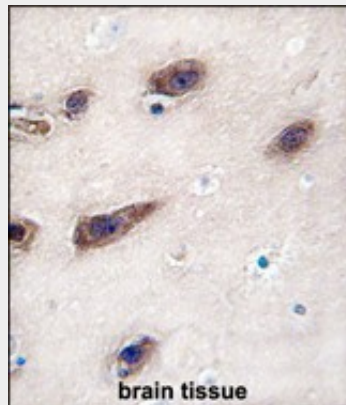
### STX3 Antibody (Center) - Images



Western blot analysis of anti-STX3 Antibody (Center) (Cat.#AP2818c) in A375 cell line lysates (35ug/lane). STX3 (arrow) was detected using the purified Pab.



Western blot analysis of STX3 (arrow) using rabbit polyclonal STX3 Antibody (Center) (Cat.#AP2818c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the STX3 gene.



Formalin-fixed and paraffin-embedded human brain tissue reacted with STX3 antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

### **STX3 Antibody (Center) - Background**

STX3 is potentially involved in docking of synaptic vesicles at presynaptic active zones.

### **STX3 Antibody (Center) - References**

Darios,F., Nature 440 (7085), 813-817 (2006) Low,S.H., Mol. Biol. Cell 17 (2), 977-989 (2006)  
Morgans,C.W., J. Neurosci. 16 (21), 6713-6721 (1996)