

Syntaxin 13 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54476

Specification

Syntaxin 13 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from rat Syntaxin 13 101-200/274
Epitope Specificity	IgG
Isotype	
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane. Golgi apparatus > trans-Golgi network membrane.
SIMILARITY	Belongs to the syntaxin family. Contains 1 t-SNARE coiled-coil homology domain.
SUBUNIT	Associates with the BLOC-1 complex. Interacts with BLOC1S6 (By similarity). Interacts with NAPA and SNAP23. Identified in a complex containing STX6, STX12, VAMP4 and VTI1A.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Syntaxins, a family of proteins involved in the fusion of synaptic vesicles with the plasma membrane, display broad tissue distribution and contain C-terminal hydrophobic domains that direct them to their respective intracellular compartments. Syntaxin 12, also known as STX12, STX13 or STX14, is a 276 amino acid single-pass membrane protein that contains one t-SNARE coiled-coil homology domain and belongs to the Syntaxin family. Syntaxin 12 regulates protein transport between late endosomes and the trans-Golgi network and interacts with ABC1 (ATP-binding cassette transporter A1), a protein that facilitates cellular release of choline-phospholipids and cholesterol to apoA-I (apolipoprotein A-I). Found in recycling endosomes, Syntaxin 12 colocalizes with transferrin receptor and is encoded by a gene located on human chromosome 1.

Syntaxin 13 Polyclonal Antibody - Additional Information

Target/Specificity

Ubiquitous. Highly expressed in brain.

Dilution

IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

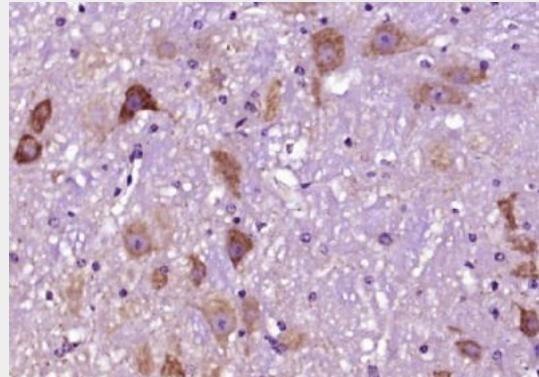
Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Syntaxin 13 Polyclonal Antibody - Protein Information**Syntaxin 13 Polyclonal Antibody - 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](#)

Syntaxin 13 Polyclonal Antibody - Images

Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Syntaxin 13) Polyclonal Antibody, Unconjugated (bs-11378R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.