

SYT6 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13548b**Specification**

SYT6 Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q5T7P8
Other Accession	NP_995320.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	57325
Antigen Region	483-510

SYT6 Antibody (C-term) - Additional Information**Gene ID** 148281**Other Names**

Synaptotagmin-6, Synaptotagmin VI, SytVI, SYT6

Target/Specificity

This SYT6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 483-510 amino acids from the C-terminal region of human SYT6.

Dilution

WB~~1:1000

IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

SYT6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

SYT6 Antibody (C-term) - Protein Information**Name** SYT6**Function** May be involved in Ca(2+)-dependent exocytosis of secretory vesicles through Ca(2+)

and phospholipid binding to the C2 domain or may serve as Ca^{2+} sensors in the process of vesicular trafficking and exocytosis. May mediate Ca^{2+} -regulation of exocytosis in acrosomal reaction in sperm (By similarity).

Cellular Location

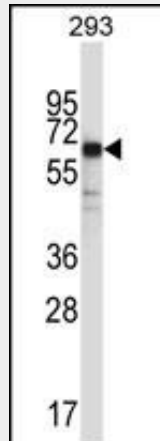
Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane
{ECO:0000250|UniProtKB:Q9R0N8}; Single-pass membrane protein
{ECO:0000250|UniProtKB:Q9R0N8} [Isoform 2]: Cytoplasm, cytosol
{ECO:0000250|UniProtKB:Q9R0N8}. Cell membrane {ECO:0000250|UniProtKB:Q9R0N8};
Peripheral membrane protein {ECO:0000250|UniProtKB:Q9R0N8}

SYT6 Antibody (C-term) - Protocols

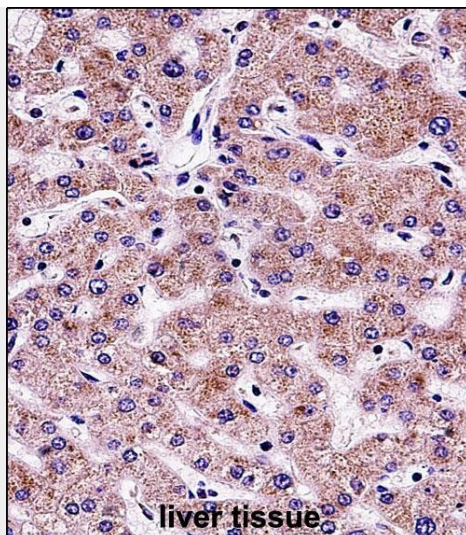
Provided below are standard protocols that you may find useful for product applications.

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

SYT6 Antibody (C-term) - Images



SYT6 Antibody (C-term) (Cat. #AP13548b) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the SYT6 antibody detected the SYT6 protein (arrow).



SYT6 Antibody (C-term) (Cat. #AP13548b) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of SYT6 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

SYT6 Antibody (C-term) - Background

Synaptotagmins, such as SYT6, share a common domain structure that includes a transmembrane domain and a cytoplasmic region composed of 2 C2 domains. Some synaptotagmins are involved in synaptic membrane fusion, while others have a more general function in endocytosis. For further information on synaptotagmins, see MIM 185605.

SYT6 Antibody (C-term) - References

Castillo Bennett, J., et al. J. Biol. Chem. 285(34):26269-26278(2010)
Dalgin, G.S., et al. J. Urol. 180(3):1126-1130(2008)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Roggero, C.M., et al. Dev. Biol. 285(2):422-435(2005)
Craxton, M. Genomics 77 (1-2), 43-49 (2001) :