

SYT8 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10354c**Specification**

SYT8 Antibody (Center) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q8NBV8
Other Accession	NP_612634.3
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42433
Antigen Region	60-88

SYT8 Antibody (Center) - Additional Information**Gene ID** 90019**Other Names**

Synaptotagmin-8, Synaptotagmin VIII, SytVIII, SYT8

Target/Specificity

This SYT8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 60-88 amino acids from the Central region of human SYT8.

Dilution

WB~~1:1000

IHC-P~~1:50~100

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

SYT8 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

SYT8 Antibody (Center) - Protein Information**Name** SYT8**Function** Involved in the trafficking and exocytosis of secretory vesicles in non-neuronal tissues.

Mediates Ca^{2+} -regulation of exocytosis acrosomal reaction in sperm. May mediate Ca^{2+} -regulation of exocytosis in insulin secreted cells.

Cellular Location

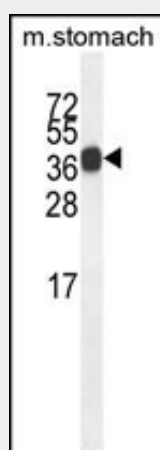
Cell membrane; Single-pass type III membrane protein. Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250|UniProtKB:Q9RON6}

SYT8 Antibody (Center) - Protocols

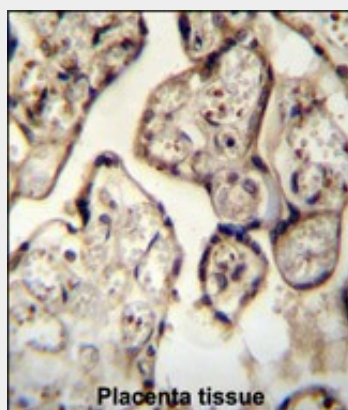
Provided below are standard protocols that you may find useful for product applications.

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

SYT8 Antibody (Center) - Images



SYT8 Antibody (Center) (Cat. #AP10354c) western blot analysis in mouse stomach tissue lysates (35ug/lane). This demonstrates the SYT8 antibody detected the SYT8 protein (arrow).



SYT8 antibody (Center) (Cat. #AP10354c) immunohistochemistry analysis in formalin fixed and

paraffin embedded human Placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SYT8 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

SYT8 Antibody (Center) - Background

Synaptotagmins, such as SYT8, 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.

SYT8 Antibody (Center) - References

Bailey, S.D., et al. Diabetes Care (2010) In press :
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
Li, C., et al. Nature 375(6532):594-599(1995)