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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.

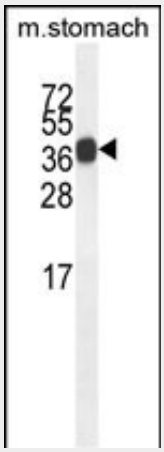
Cellular Location
Cell membrane; Single-pass type III membrane protein. Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250|UniProtKB:Q9R0N6}

SYT8 Antibody (Center) - Protocols

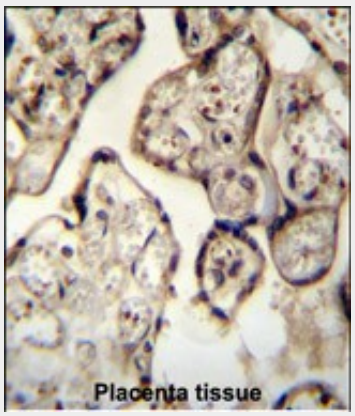
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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)