

SYT6 / Synaptotagmin 6 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS14854**Specification**

SYT6 / Synaptotagmin 6 Antibody - Product Information

Application	IHC
Primary Accession	Q5T7P8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57kDa KDa

SYT6 / Synaptotagmin 6 Antibody - Additional Information**Gene ID** 148281**Other Names**

Synaptotagmin-6, Synaptotagmin VI, SytVI, SYT6

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

SYT6 / Synaptotagmin 6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SYT6 / Synaptotagmin 6 Antibody - 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}

Volume

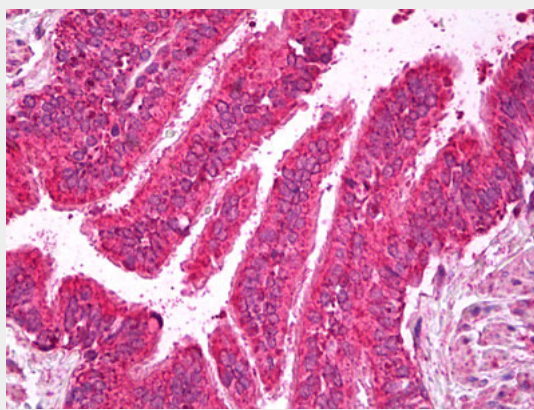
50 µl

SYT6 / Synaptotagmin 6 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](#)

SYT6 / Synaptotagmin 6 Antibody - Images



Anti-SYT6 antibody IHC of human lung, respiratory epithelium.

SYT6 / Synaptotagmin 6 Antibody - Background

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).

SYT6 / Synaptotagmin 6 Antibody - References

Ota T., et al. Nat. Genet. 36:40-45(2004).
Gregory S.G., et al. Nature 441:315-321(2006).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Rigbolt K.T., et al. Sci. Signal. 4:RS3-RS3(2011).