

**SYT6 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13548b****Specification**

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**SYT6 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q5T7P8](#)**SYT6 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 148281**Other Names**

Synaptotagmin-6, Synaptotagmin VI, SytVI, SYT6

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13548b was selected from the C-term region of SYT6. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**SYT6 Antibody (C-term) Blocking peptide - 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) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

## **SYT6 Antibody (C-term) Blocking peptide - Images**

## **SYT6 Antibody (C-term) Blocking peptide - 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) Blocking peptide - 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) :