10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

STX7 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP5670a

Specification

STX7 Antibody (N-term) Blocking peptide - Product Information

Primary Accession	O15400
Other Accession	NP_003560.2

STX7 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 8417

Other Names
Syntaxin-7, STX7

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.

STX7 Antibody (N-term) Blocking peptide - Protein Information

Name STX7

Function
May be involved in protein trafficking from the plasma membrane to the early endosome (EE) as well as in homotypic fusion of endocytic organelles. Mediates the endocytic trafficking from early endosomes to late endosomes and lysosomes.

Cellular Location
Early endosome membrane; Single- pass type IV membrane protein

Tissue Location
Highest expression is found in placenta followed by heart, skeletal muscle, kidney and brain. Low expression is found in pancreas, lung and liver

STX7 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

STX7 Antibody (N-term) Blocking peptide - Images

STX7 Antibody (N-term) Blocking peptide - Background

Syntaxin 7 is involved in the ordered fusion of endosomes and lysosomes with the phagosome, where phagocytic cells kill and degrade internalized foreign particles. Syntaxin 7 is found in late endosomes and lysosomes; whereas Syntaxin 12 is localized to the recycling endosome compartment, both are recruited to the phagosome. However, STX12 is acquired earlier before rapidly recycling off the phagosome, whereas STX7 is recruited later and continues to accumulate throughout the phagosome maturation process.

STX7 Antibody (N-term) Blocking peptide - References

Prekeris, R., et al. Mol. Biol. Cell 10(11):3891-3908(1999)Steegmaier, M., et al. J. Biol. Chem. 273(51):34171-34179(1998)Wong, S.H., et al. J. Biol. Chem. 273(1):375-380(1998)Wang, H., et al. Gene 199 (1-2), 39-48 (1997)