

TPST1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP2321b**Specification**

TPST1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [O60507](#)
Other Accession [NP_003587](#)

TPST1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 8460

Other Names

Protein-tyrosine sulfotransferase 1, Tyrosylprotein sulfotransferase 1, TPST-1, TPST1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2321b](/product/products/AP2321b) was selected from the C-term region of human TPST1. 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.

TPST1 Antibody (C-term) Blocking Peptide - Protein Information

Name TPST1

Function

Catalyzes the O-sulfation of tyrosine residues within acidic motifs of polypeptides, using 3'-phosphoadenylyl sulfate (PAPS) as cosubstrate.

Cellular Location

Golgi apparatus membrane; Single-pass type II membrane protein

Tissue Location

Ubiquitous. Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

TPST1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TPST1 Antibody (C-term) Blocking Peptide - Images

TPST1 Antibody (C-term) Blocking Peptide - Background

The ADP-ribosylation factor (Arf) family are highly conserved members of the Ras superfamily of regulatory GTP-binding proteins. Arf proteins participate in routing of intracellular proteins to and within the Golgi complex. Cellular functions include maintenance of organelle integrity, coat protein assembly, as an activator of phospholipase D. The Arf family is divided functionally into the Arf and the Arf-like (Arl) proteins. The ARF proteins are categorized as class I (ARF1, ARF2, and ARF3), class II (ARF4 and ARF5) and class III (ARF6) and members of each class share a common gene organization.

TPST1 Antibody (C-term) Blocking Peptide - References

Seibert, C., et al., Proc. Natl. Acad. Sci. U.S.A. 99(17):11031-11036 (2002). Goettsch, S., et al., Biochem. Biophys. Res. Commun. 294(3):541-546 (2002). Popovic, M., et al., Eur. J. Hum. Genet. 10(4):250-258 (2002). Ouyang, Y.B., et al., J. Biol. Chem. 273(38):24770-24774 (1998). Ouyang, Y., et al., Proc. Natl. Acad. Sci. U.S.A. 95(6):2896-2901 (1998).