

**TPST2 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2322b****Specification**

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**TPST2 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [O60704](#)  
Other Accession [NP\\_003586](#)

**TPST2 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 8459

**Other Names**

Protein-tyrosine sulfotransferase 2, Tyrosylprotein sulfotransferase 2, TPST-2, TPST2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2322b](/product/products/AP2322b) was selected from the C-term region of human TPST2 . 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.

**TPST2 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** TPST2

**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**

Widely expressed.

## **TPST2 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **TPST2 Antibody (C-term) Blocking Peptide - Images**

## **TPST2 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.

## **TPST2 Antibody (C-term) Blocking Peptide - References**

Strausberg, R.L., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903 (2002). Wiemann, S., et al., Genome Res. 11(3):422-435 (2001). Dunham, I., et al., Nature 402(6761):489-495 (1999). Ouyang, Y.B., et al., J. Biol. Chem. 273(38):24770-24774 (1998). Beisswanger, R., et al., Proc. Natl. Acad. Sci. U.S.A. 95(19):11134-11139 (1998).