

**TPH1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6930a****Specification**

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**TPH1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P17752](#)**TPH1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 7166**Other Names**

Tryptophan 5-hydroxylase 1, Tryptophan 5-monooxygenase 1, TPH1, TPH, TPRH, TRPH

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6930a](/products/AP6930a) was selected from the N-term region of human TPH1. 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.

**TPH1 Antibody (N-term) Blocking Peptide - Protein Information****Name** TPH1**Synonyms** TPH, TPRH, TRPH**Function**

Oxidizes L-tryptophan to 5-hydroxy-L-tryptophan in the rate-determining step of serotonin biosynthesis.

**Tissue Location**

[Isoform 2]: Seems to be less widely expressed than isoform 1.

**TPH1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **TPH1 Antibody (N-term) Blocking Peptide - Images**

#### **TPH1 Antibody (N-term) Blocking Peptide - Background**

TPH1 is a member of the aromatic amino acid hydroxylase family. This protein catalyzes the first and rate limiting step in the biosynthesis of serotonin, an important hormone and neurotransmitter.

#### **TPH1 Antibody (N-term) Blocking Peptide - References**

Johansson,T.A., et.al., BMC Cancer 9, 321 (2009)Kuhn,D.M., et.al., J. Neurochem. 68 (5), 2220-2223 (1997)