

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

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Protein Information****Name** TPH1**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)

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](#)