

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 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

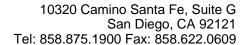
Name TPH1

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 ratedetermining 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