

PTS Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP5070a

Specification

PTS Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [Q03393](#)

PTS Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 5805

Other Names

6-pyruvoyl tetrahydrobiopterin synthase, PTP synthase, PTPS, PTS

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.

PTS Antibody (N-term) Blocking Peptide - Protein Information

Name PTS

Function

Involved in the biosynthesis of tetrahydrobiopterin, an essential cofactor of aromatic amino acid hydroxylases. Catalyzes the transformation of 7,8-dihydroneopterin triphosphate into 6-pyruvoyl tetrahydropterin.

PTS Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PTS Antibody (N-term) Blocking Peptide - Images

PTS Antibody (N-term) Blocking Peptide - Background

PTS catalyzes the elimination of inorganic triphosphate from dihydroneopterin triphosphate, which is the second and irreversible step in the biosynthesis of tetrahydrobiopterin from GTP. Tetrahydrobiopterin, also known as BH(4), is an essential cofactor and regulator of various enzyme

activities, including enzymes involved in serotonin biosynthesis and NO synthase activity.

PTS Antibody (N-term) Blocking Peptide - References

Schnetz-Boutaud, N.C., et al. Genes Brain Behav. 8(8):753-757(2009) Clot, F., et al. Brain 132 (PT 7), 1753-1763 (2009) Gu, M.Q., et al. Zhonghua Yi Xue Yi Chuan Xue Za Zhi 26(2):183-186(2009)