

# 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.

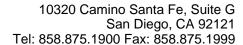
# • Blocking Peptides

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)