

**PNPO Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9393d****Specification**

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**PNPO Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q9NVS9](#)

**PNPO Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 55163

**Other Names**

Pyridoxine-5'-phosphate oxidase, Pyridoxamine-phosphate oxidase, PNPO

**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.

**PNPO Antibody (C-term) Blocking Peptide - Protein Information**

**Name** PNPO

**Function**

Catalyzes the oxidation of either pyridoxine 5'-phosphate (PNP) or pyridoxamine 5'-phosphate (PMP) into pyridoxal 5'-phosphate (PLP).

**Tissue Location**

Ubiquitous. Expressed in liver, brain, lung, prostate and stomach (at protein level).

**PNPO Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**PNPO Antibody (C-term) Blocking Peptide - Images****PNPO Antibody (C-term) Blocking Peptide - Background**

The enzyme encoded by this gene catalyzes the terminal, rate-limiting step in the synthesis of

pyridoxal 5'-phosphate, also known as vitamin B6. Vitamin B6 is a required co-factor for enzymes involved in both homocysteine metabolism and synthesis of neurotransmitters such as catecholamine.

#### **PNPO Antibody (C-term) Blocking Peptide - References**

Musayev, F.N., et al. J. Biol. Chem. 284(45):30949-30956(2009)Khayat, M., et al. Mol. Genet. Metab. 94(4):431-434(2008)Song, H., et al. Schizophr. Res. 97 (1-3), 264-270 (2007) :Mills, P.B., et al. Hum. Mol. Genet. 14(8):1077-1086(2005)Kang, J.H., et al. Eur. J. Biochem. 271(12):2452-2461(2004)Musayev, F.N., et al. Protein Sci. 12(7):1455-1463(2003)