

PNPO Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9393d

Specification

PNPO Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q9NVS9
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	29988
Antigen Region	232-261

PNPO Antibody (C-term) - Additional Information

Gene ID 55163

Other Names

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

Target/Specificity

This PNPO antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 232-261 amino acids from the C-terminal region of human PNPO.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PNPO Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PNPO Antibody (C-term) - Protein Information

Name PNPO

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

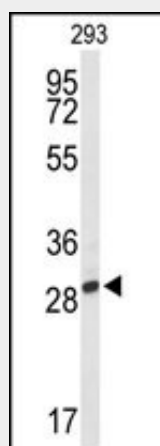
Tissue Location

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

PNPO Antibody (C-term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PNPO Antibody (C-term) - Images

Western blot analysis of PNPO Antibody (C-term) (Cat. #AP9393d) in 293 cell line lysates (35ug/lane). PNPO (arrow) was detected using the purified Pab.

PNPO Antibody (C-term) - 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) - References

Musayev, F.N., et al. J. Biol. Chem. 284(45):30949-30956(2009)
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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)