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PNPO Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9393d

Product Information

Application	WB, E
Primary Accession	Q9NVS9
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB23831
Calculated MW	29988
Antigen Region	232-261

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.

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).

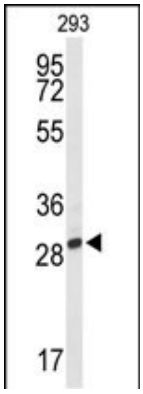
Background

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.

References

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.