

Product datasheet for **TA344305**

PNPO Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PNPO antibody: synthetic peptide directed towards the N terminal of human PNPO. Synthetic peptide located within the following region: PMRKSYRGDREAFEETHLTSLDAPVKQFAAWFEEAVQCPDIGEANAMCLAT
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	29 kDa
Gene Name:	pyridoxamine 5'-phosphate oxidase
Database Link:	NP_060599 Entrez Gene 55163 Human Q9NVS9



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- Background:** PNPO 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. Vitamin B6, or pyridoxal 5-prime-phosphate (PLP), is critical for normal cellular function, and some cancer cells have notable differences in vitamin B6 metabolism compared to their normal counterparts. The rate-limiting enzyme in vitamin B6 synthesis is pyridoxine-5-prime-phosphate (PNP) oxidase (PNPO; EC 1.4.3.5). [supplied by OMIM]
- Synonyms:** HEL-S-302; PDXPO
- Note:** Immunogen Sequence Homology: Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Dog: 93%; Pig: 93%; Rabbit: 93%; Guinea pig: 93%; Bovine: 86%
- Protein Pathways:** Metabolic pathways, Vitamin B6 metabolism

Product images:

WB Suggested Anti-PNPO Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:312500; Positive Control: Human Muscle