

## **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: PMRKSYRGDREAFEETHLTSLDPVKQFAAWFEEAVQCPDIGEANAMCLAT

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

**Purification:** Affinity Purified

Conjugation: Unconjugated

**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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#### PNPO Rabbit Polyclonal Antibody - TA344305

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]

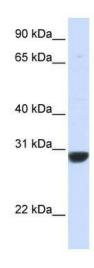
HEL-S-302; PDXPO Synonyms:

Immunogen Sequence Homology: Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Dog: Note:

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