

Rabbit PNPO Polyclonal Antibody | anti-PNPO antibody

PNPO antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200826	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot

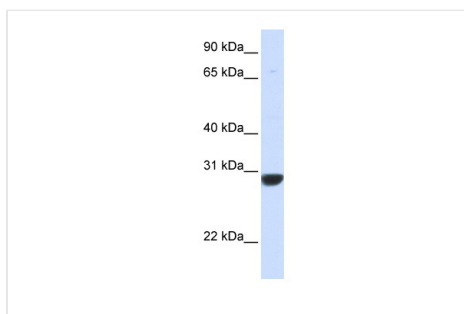
PRODUCT SYNONYMS

PNPO; Polyclonal Antibody; PNPO antibody - N-terminal region; anti-PNPO antibody

PRODUCT SPECIFICATIONS

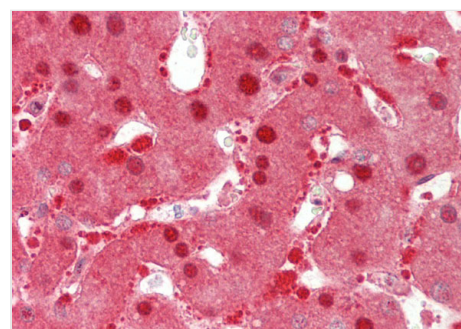
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: PM RKS YRGDREA FEETHLTSLD PVKQFAAWFE EAVQCPDIGE ANAMCLAT
Sequence Length	261
Applicable Applications for anti-PNPO antibody	WB (Western Blot)
Homology	Cow: 86%; Dog: 93%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PNPO
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

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



IHC (Immunohistochemistry)

Rabbit Anti-PNPO antibody
Formalin Fixed Paraffin Embedded Tissue: Human Liver
Primary antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20x
Exposure Time: 0.5-2.0sec

ADDITIONAL INFORMATION

Related Product Information for anti-PNPO antibody	This is a rabbit polyclonal antibody against PNPO. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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'-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'-phosphate (PNP) oxidase (PNPO; EC 1.4.3.5).[supplied by OMIM].
Product Categories/Family for anti-PNPO antibody	Polyclonal; Drugs and Drug Metabolism; Various

NCBI AND UNIPROT INFORMATION

NCBI GI #	8922498
NCBI GeneID	55163
NCBI Accession #	NP_060599
NCBI GenBank Nucleotide #	NM_018129
UniProt Accession #	Q9NVS9
Molecular Weight	29kDa
NCBI Official Full Name	pyridoxine-5'-phosphate oxidase
NCBI Official Synonym Full Names	pyridoxamine 5'-phosphate oxidase
NCBI Official Symbol	PNPO
NCBI Official Synonym Symbols	PDXPO; HEL-S-302
NCBI Protein Information	pyridoxine-5'-phosphate oxidase
UniProt Protein Name	Pyridoxine-5'-phosphate oxidase
UniProt Gene Name	PNPO
UniProt Entry Name	PNPO_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.