

Datasheet for ABIN2787718  
**anti-PNPO antibody (N-Term)**[Go to Product page](#)[1 Image](#)[1 Publication](#)

## Overview

Quantity:	100 µL
Target:	PNPO
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Horse, Cow, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PNPO antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PNPO
Sequence:	PMRKSYPGRDR EAFEETHLTS LDPVKQFAAW FEEAVQCPDI GEANAMCLAT
Predicted Reactivity:	Cow: 86%, Dog: 93%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PNPO. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	PNPO
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## Target Details

Alternative Name:	PNPO ( <a href="#">PNPO Products</a> )
Background:	<p>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].</p> <p>Alias Symbols: FLJ10535, PDXPO</p> <p>Protein Interaction Partner: UBC, LPP, APP, ELAVL1,</p> <p>Protein Size: 261</p>
Molecular Weight:	29 kDa
Gene ID:	55163
NCBI Accession:	<a href="#">NM_018129</a> , <a href="#">NP_060599</a>
UniProt:	<a href="#">Q9NVS9</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 261 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

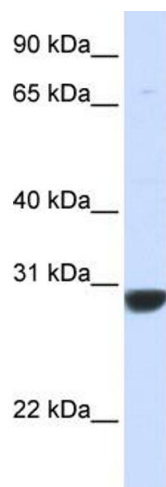
## Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Publications

Product cited in:	<p>Kam, Hennessy, Chua, Gan, Philp, Hon, Lai, Chan, Ong, Wong, Lim, Ling, Tan, Tan, Ho, Kon: "Characterization of the human gastric fluid proteome reveals distinct pH-dependent protein profiles: implications for biomarker studies." in: <b>Journal of proteome research</b>, Vol. 10, Issue 10, pp. 4535-46, (2011) (<a href="#">PubMed</a>).</p> <p>Koh, Rhee, Kang, Yang, You, Lee, Min, Kim, Nam, Kim: "Differential gene expression profiles of metastases in paired primary and metastatic colorectal carcinomas." in: <b>Oncology</b>, Vol. 75, Issue 1-2, pp. 92-101, (2008) (<a href="#">PubMed</a>).</p>
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## Images



### Western Blotting

#### Image 1. WB Suggested Anti-PNPO Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:312500

**Positive Control:** Human Muscle