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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Number	ARP58515_P050-Biotin
Product Page	www.avivasysbio.com/pnpo-antibody-n-terminal-region-biotin-arp58515-p050-biotin.html
Name	PNPO Antibody - N-terminal region : Biotin (ARP58515_P050-Biotin)
Protein Size (# AA)	261 amino acids
Molecular Weight	29kDa
Conjugation	Biotin
NCBI Gene Id	55163
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Pyridoxamine 5'-phosphate oxidase
Alias Symbols	PDXPO, HEL-S-302
Peptide Sequence	Synthetic peptide located within the following region: PMRKS YRGDREA FEETHL TSLDPVKQFAAWFEEAVQC PDIGEANAMCLAT
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Song,H., Schizophr. Res. 97 (1-3), 264-270 (2007)
Description of Target	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].
Protein Interactions	UBC; LPP; APP; ELAVL1;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-PNPO (ARP58515_P050-Biotin) antibody
Blocking Peptide	For anti-PNPO (ARP58515_P050-Biotin) antibody is Catalog # AAP58515 (Previous Catalog # AAPP34535)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PNPO
Uniprot ID	Q9NVS9
Protein Name	Pyridoxine-5'-phosphate oxidase
Protein Accession #	NP_060599
Purification	Affinity Purified
Nucleotide Accession #	NM_018129
Gene Symbol	PNPO
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Application	WB
Predicted Homology Based on Immunogen Sequence	Cow: 86%; Dog: 93%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%

Image 1



AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.

Optimal conditions of its use should be determined by end users.

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6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | info@avivasysbio.com