

PNPO rabbit monoclonal antibody

Catalog # H00055163-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PNPO peptide using ARM Technology.
Immunogen	A synthetic peptide of human PNPO is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PNPO peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PNPO

Entrez GeneID	55163
GeneBank Accession#	PNPO
Gene Name	PNPO
Gene Alias	FLJ10535, PDXPO
Gene Description	pyridoxamine 5'-phosphate oxidase
Omim ID	603287 610090
Gene Ontology	Hyperlink
Gene Summary	The enzyme encoded by this gene 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. Mutations in this gene result in pyridoxamine 5'-phosphate oxidase (PNPO) deficiency, a form of neonatal epileptic encephalopathy. [provided by RefSeq]
Other Designations	pyridoxal 5'-phosphate synthase pyridoxine 5'-phosphate oxidase

Pathway

- [Metabolic pathways](#)
- [Vitamin B6 metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Schizophrenia](#)