

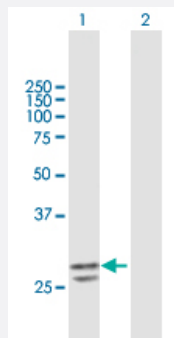
MaxPab®

# PNPO purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00055163-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of PNPO expression in transfected 293T cell line ([H00055163-T01](#)) by PNPO MaxPab polyclonal antibody.

Lane 1: PNPO transfected lysate(28.71 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Mouse polyclonal antibody raised against a full-length human PNPO protein.

### Immunogen

PNPO (NP\_060599.1, 1 a.a. ~ 261 a.a) full-length human protein.

### Sequence

MTCWLRGVTATFGRPAEWPGYLSHLCGRSAAMD LGPMRKS YRGDREA FEETHLTSLDPVKQFA  
AWFEEAVQCPDIGEANAMCLATCTRDGKPSARMLLLKGFGKDGFRFFTNFESRKGKELDSNPF  
ASLVFYWEPLNRQVRVEGPVKKLPEEEAE CYFH SRPKSSQIGAVVSHQSSVIPDREYLRKKNEEL  
EQLYQDQEV PKPSWGGYVLYPQVMEFWQGQTNR LHDRV FRRGLPTGDSPLGPMTHRGEED  
WLYERLAP

### Host

Mouse

### Reactivity

Human

### Interspecies Antigen Sequence

Mouse (90); Rat (89)

### Quality Control Testing

Antibody reactive against mammalian transfected lysate.

### Storage Buffer

In 1x PBS, pH 7.4

### Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

## Gene Info — PNPO

Entrez GeneID [55163](#)

GeneBank Accession# [NM\\_018129.1](#)

Protein Accession# [NP\\_060599.1](#)

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](#)