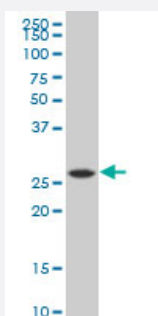


PNPO polyclonal antibody (A01)

Catalog # H00055163-A01

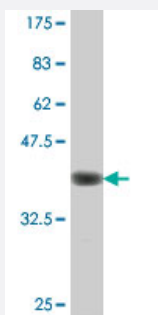
Size 50 uL

Applications



Western Blot (Cell lysate)

PNPO polyclonal antibody (A01), Lot # 060529JCS1 Western Blot analysis of PNPO expression in MES-SA/Dx5 (Cat # L021V1).



Western Blot detection against Immunogen (37 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PNPO.
Immunogen	PNPO (NP_060599, 163 a.a. ~ 261 a.a) partial recombinant protein with GST tag.
Sequence	KSSQIGAVVSHQSSVIPDREYLRKKNEELEQLYQDQEVPKPKSWGGLYPQVMEFWQQQTNR LHDRVFRRLPTGDSPLGPMTHRGEEDWLYERLAP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (89)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

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

Applications

- Western Blot (Cell lysate)

PNPO polyclonal antibody (A01), Lot # 060529JCS1 Western Blot analysis of PNPO expression in MES-SA/Dx5 (Cat # L021V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PNPO

Entrez GeneID

[55163](#)

GeneBank Accession#

[NM_018129](#)

Protein Accession#

[NP_060599](#)

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

Publication Reference

- [Toxicological biomarkers of 2,3,4,7,8-pentachlorodibenzofuran in proteins secreted by HepG2 cells.](#)

Phark S, Park SY, Choi S, Zheng Z, Cho E, Lee M, Lim JY, Seo JB, Won NH, Jung WW, Sul D.

Biochimica et Biophysica Acta 2012 Apr; 1824(4):656.

Application: WB, Human, HepG2 cells

- [PNPO deficiency: An under diagnosed inborn error of pyridoxine metabolism.](#)

Khayat M, Korman SH, Frankel P, Weintraub Z, Herschkowitz S, Sheffer VF, Elisha MB, Wevers RA, Falik-Zaccai TC.

Molecular Genetics and Metabolism 2008 May; 94(4):431.

Application: WB-Tr, Human, CHO cells

Pathway

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

Disease

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