

Product Name: KD-Validated PNPO Mouse Monoclonal Antibody**Catalog #: KVA01886**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:400-1:2,000
Molecular Weight	Calculated MW: 30.0kDa

Antigen Information

Gene Name	PNPO
Alternative Names	PNPO; Pyridoxamine 5'-Phosphate Oxidase; PDXPO; Pyridoxal 5'-Phosphate Synthase; Pyridoxine 5'-Phosphate Oxidase; Pyridoxine-5'-Phosphate Oxidase; Pyridoxamine-Phosphate Oxidase; EC 1.4.3.5; Epididymis Secretory Sperm Binding Protein; Epididymis Secretory Protein Li 302; HEL-S-302
Gene ID	55163.0
SwissProt ID	Q9NVS9
Immunogen	Recombinant protein of human PNPO

Background

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, Oct 2008]

Research Area

Neuroscience, Signal Transduction, Metabolism

Image Data

