

PNPO Antibody

Catalog No: #46644

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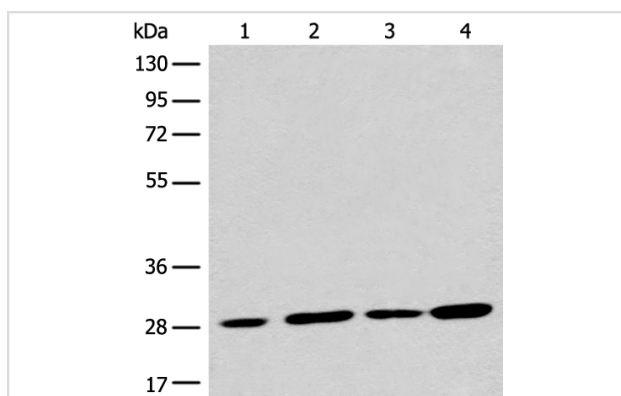
Description

Product Name	PNPO Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total PNPO protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human PNPO
Target Name	PNPO
Other Names	PDXPO; HEL-S-302
Accession No.	Swiss-Prot:Q9NVS9NCBI Gene ID:55163NCBI Protein:NP_060599
Uniprot	Q9NVS9
GeneID	55163;
Calculated MW	30 kDa
Concentration	1.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500-1:2000

Images



Gel: 8%SDS-PAGE

lysate: 40 µg, Lane 1-4: Human fetal brain tissue, PC-3, HeLa and 293T cell lysates,

Primary antibody: 46644 PNPO Antibody) at dilution 1/700

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 30 seconds

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.

Note: This product is for in vitro research use only