

Anti-PNPO antibody

Cat. No.	ml263598
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-PNPO rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human PNPO
Reactivity	Human, Mouse, Rat
Content	0.9 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	PNPO
Full name	pyridoxamine 5'-phosphate oxidase

Synonyms PDXPO; HEL-S-302

Swissprot Q9NVS9

Target 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.

Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

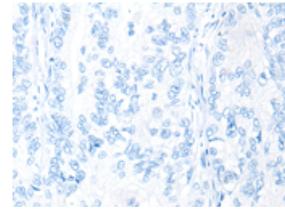
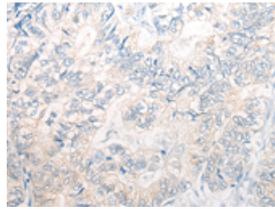
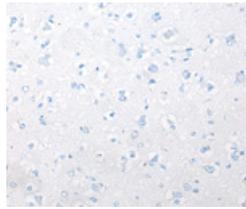
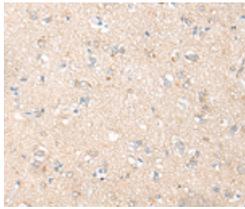
Predicted cell location: Cytoplasm

Positive control: Human brain

Positive control: Human gastric cancer

Recommended dilution: 20-100

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The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml263598(PNPO Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using ml263598(PNPO Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size:30 kDa

Positive control:Human fetal brain tissue, PC-3, Hela and 293T cell lysates

Recommended dilution: 500-2000

订购热线: 4008-898-798

Gel: 8%SDS-PAGE

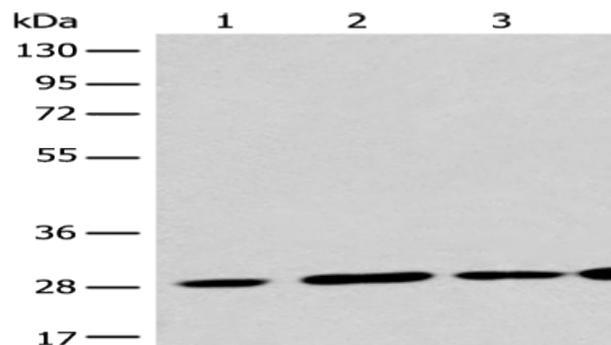
Lysate: 40 μ g

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

Primary antibody: ml263598(PNPO Antibody) at dilution 1/700

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 30 seconds



ELISA

Recommended dilution: 5000-10000

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