

## PNPO Antibody

Catalog No: #46643

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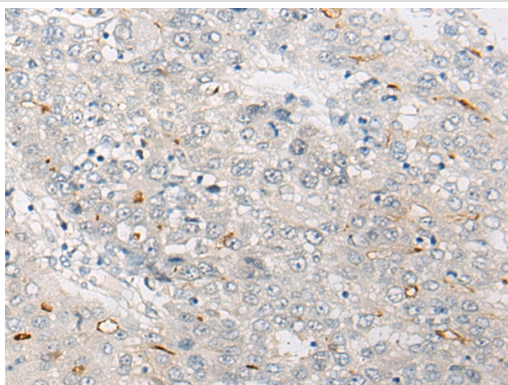
## Description

Product Name	PNPO Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total PNPO protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide corresponding to internal residues 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;
Concentration	0.6mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

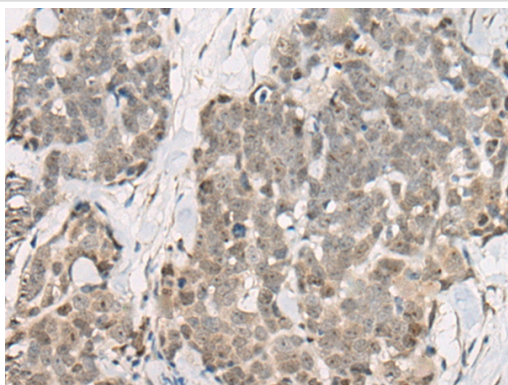
## Application Details

Immunohistochemistry: 1: 20-100

## Images



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 46643(PNPO Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using 46643(PNPO Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: x200)

## 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