

## Product datasheet for TA503356

### PNPO Mouse Monoclonal Antibody [Clone ID: OTI1H9]

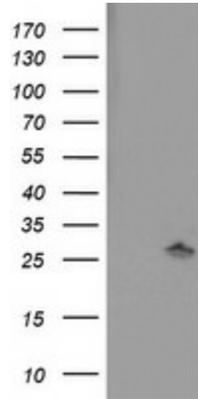
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1H9
Applications:	IHC, WB
Recommend Dilution:	WB 1:500, IHC 1:150
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PNPO(NP_060599) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.32 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	29.8 kDa
Gene Name:	pyridoxamine 5'-phosphate oxidase
Database Link:	<a href="#">NP_060599</a> <a href="#">Entrez Gene 55163 Human</a>
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]. COMPLETENESS: complete on the 3' end.
Synonyms:	HEL-S-302; PDXPO
Protein Pathways:	Metabolic pathways, Vitamin B6 metabolism

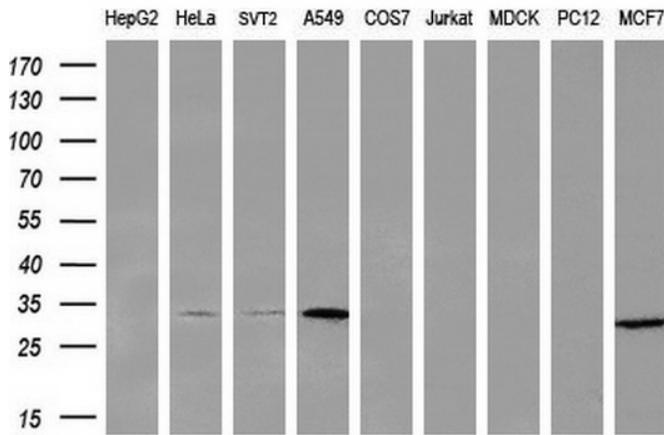


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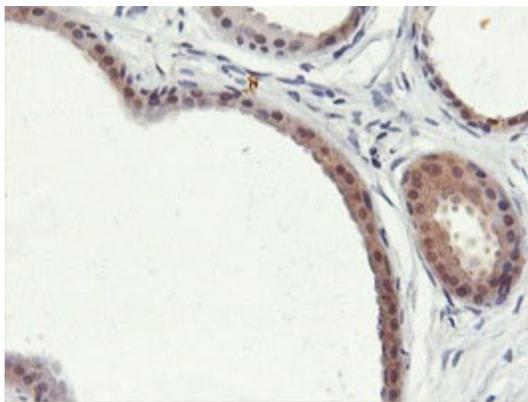
Product images:



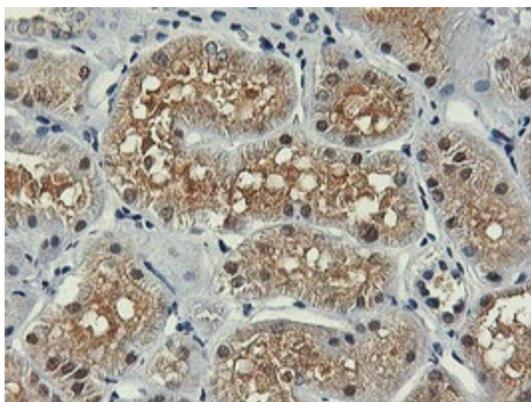
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PNPO ([RC200133], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PNPO. Positive lysates [LY413282] (100ug) and [LC413282] (20ug) can be purchased separately from OriGene.



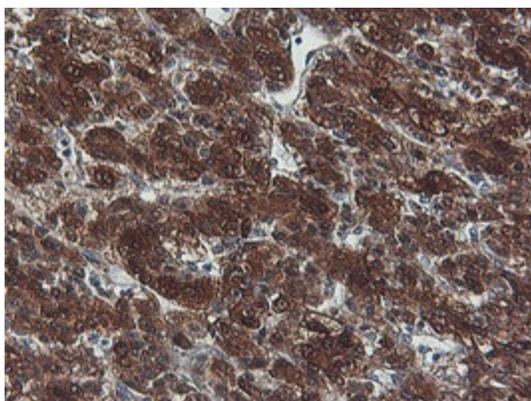
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-PNPO monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



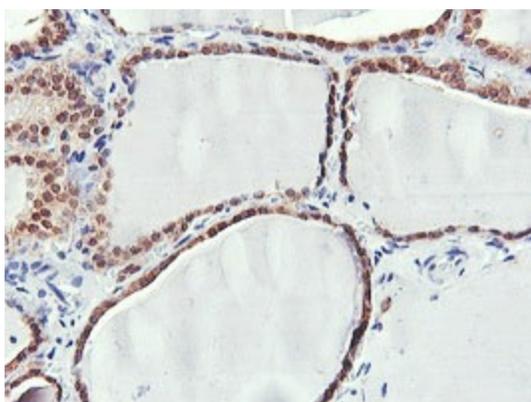
Immunohistochemical staining of paraffin-embedded Human breast tissue within the normal limits using anti-PNPO mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503356)



Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-PNPO mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503356)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-PNPO mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503356)



Immunohistochemical staining of paraffin-embedded Human thyroid tissue within the normal limits using anti-PNPO mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA503356)