

Product Datasheet

Phosphoribosyl Pyrophosphate Amidotransferase Antibody (OTI1B8) NBP2-02056

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-02056**Phosphoribosyl Pyrophosphate Amidotransferase Antibody (OTI1B8)**

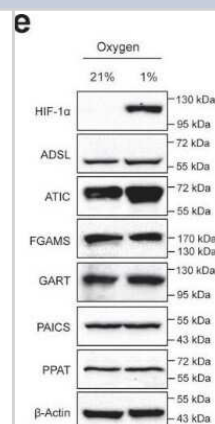
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI1B8
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
Target Molecular Weight	57.2 kDa

Product Description	
Host	Mouse
Gene ID	5471
Gene Symbol	PPAT
Species	Human, Mouse, Rat, Canine, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Human recombinant protein fragment corresponding to amino acids 42-278 of human PPAT(NP_002694) produced in E.coli.

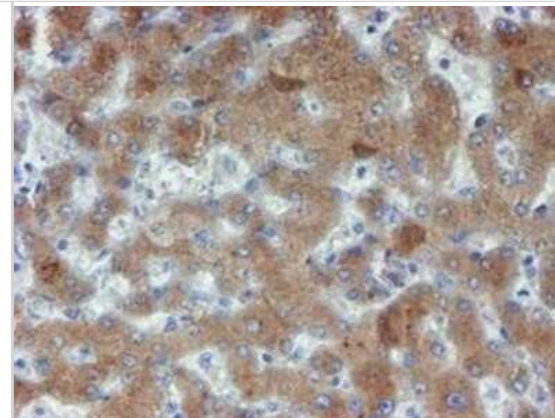
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-2000, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin 1:150

Images

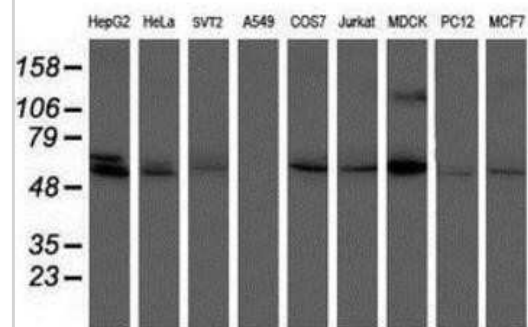
Western Blot: Phosphoribosyl Pyrophosphate Amidotransferase Antibody (OTI1B8) [NBP2-02056] - Blot showing the effect of hypoxia on the protein expression levels of the purine biosynthetic enzymes. HIF-1 alpha is stabilized in hypoxia as expected, and no significant increase in the purine enzymes was detected between normoxic (21% oxygen) and hypoxic (1% oxygen) growth conditions. The positions of molecular markers surrounding each band of interest are shown for each blot. ADSL (NBP2-03107), ATIC (NBP2-01941), FGAMS (NBP1-84691), GART (H00002618-M01), HIF-1a (NB100-449), PAICS (NBP2-02817), PPAT (NBP2-02056). Image collected and cropped by CiteAb from the following publication ([///pubmed.ncbi.nlm.nih.gov/32439803/](https://pubmed.ncbi.nlm.nih.gov/32439803/)) licensed under a CC-BY license.



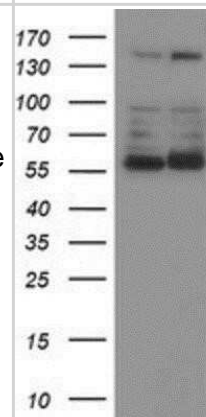
Immunohistochemistry-Paraffin: Phosphoribosyl Pyrophosphate Amidotransferase Antibody (OTI1B8) [NBP2-02056] - Staining of paraffin-embedded Human liver tissue using anti-Phosphoribosyl Pyrophosphate Amidotransferase mouse monoclonal antibody.



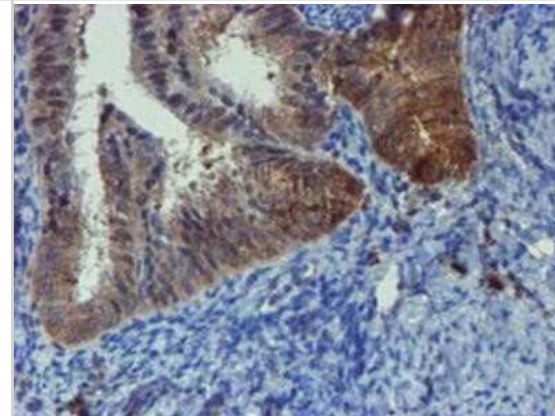
Western Blot: Phosphoribosyl Pyrophosphate Amidotransferase Antibody (OTI1B8) [NBP2-02056] - Analysis of extracts (35ug) from 9 different cell lines by using anti-Phosphoribosyl Pyrophosphate Amidotransferase monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



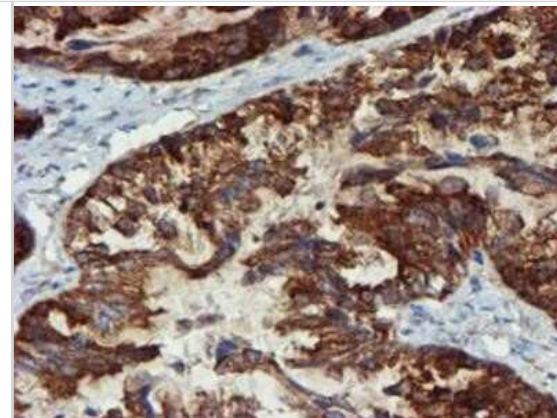
Western Blot: Phosphoribosyl Pyrophosphate Amidotransferase Antibody (OTI1B8) [NBP2-02056] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Phosphoribosyl Pyrophosphate Amidotransferase (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-Phosphoribosyl Pyrophosphate Amidotransferase.



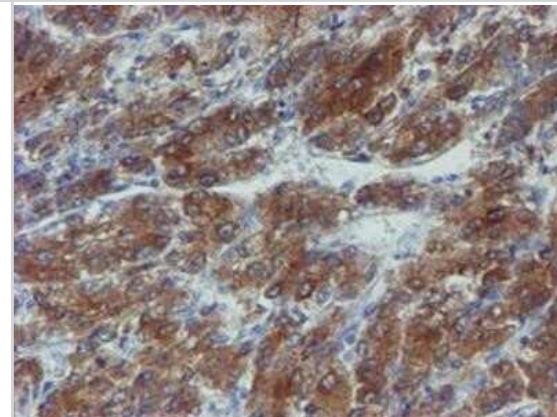
Immunohistochemistry-Paraffin: Phosphoribosyl Pyrophosphate Amidotransferase Antibody (OTI1B8) [NBP2-02056] - Staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-Phosphoribosyl Pyrophosphate Amidotransferase mouse monoclonal antibody.



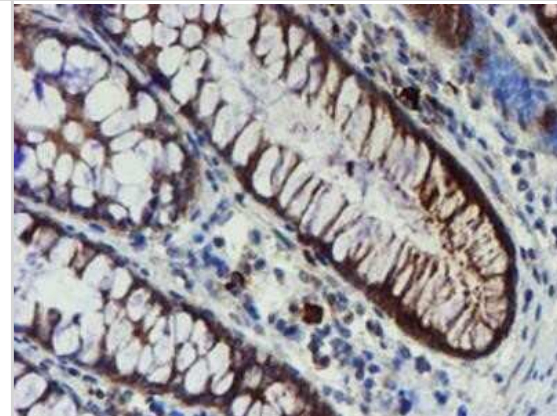
Immunohistochemistry-Paraffin: Phosphoribosyl Pyrophosphate Amidotransferase Antibody (OTI1B8) [NBP2-02056] - Staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-Phosphoribosyl Pyrophosphate Amidotransferase mouse monoclonal antibody.



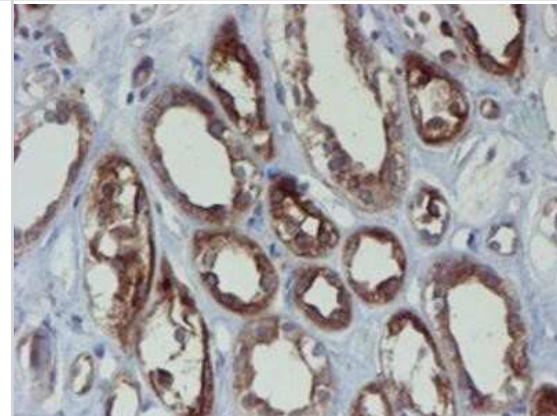
Immunohistochemistry-Paraffin: Phosphoribosyl Pyrophosphate Amidotransferase Antibody (OTI1B8) [NBP2-02056] - Staining of paraffin-embedded Carcinoma of Human liver tissue using anti-Phosphoribosyl Pyrophosphate Amidotransferase mouse monoclonal antibody.



Immunohistochemistry-Paraffin: Phosphoribosyl Pyrophosphate Amidotransferase Antibody (OTI1B8) [NBP2-02056] - Staining of paraffin-embedded Human colon tissue using anti-Phosphoribosyl Pyrophosphate Amidotransferase mouse monoclonal antibody.



Immunohistochemistry-Paraffin: Phosphoribosyl Pyrophosphate Amidotransferase Antibody (OTI1B8) [NBP2-02056] - Staining of paraffin-embedded Human Kidney tissue using anti-Phosphoribosyl Pyrophosphate Amidotransferase mouse monoclonal antibody.



Publications

Doigneaux C, Pedley AM, Mistry IN et al. Hypoxia Drives the Assembly of the Multi-Enzyme Purinosome Complex J. Biol. Chem. 2020-05-21 [PMID: 32439803]



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Products Related to NBP2-02056

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00005471-P01-10ug	Recombinant Human Phosphoribosyl Pyrophosphate Amidotransferase GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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