

Datasheet for ABIN2782471
anti-PPAT antibody (N-Term)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	PPAT
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Dog, Horse, Cow, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPAT antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PPAT
Sequence:	VTSDGSSVPT FKSHKGMGLV NHVFTEDNLK KLYVSNLGIG HTRYATTGKC
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 86%, Horse: 86%, Human: 100%, Rabbit: 93%, Rat: 79%
Characteristics:	This is a rabbit polyclonal antibody against PPAT. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	PPAT
Alternative Name:	PPAT (PPAT Products)

Target Details

Background:	<p>PPAT is a member of the purine/pyrimidine phosphoribosyltransferase family. This protein is a regulatory allosteric enzyme that catalyzes the first step of de novo purine nucleotide biosynthesis. Its gene and PAICS/AIRC, a bifunctional enzyme catalyzing steps six and seven in the purine nucleotide biosynthesis pathway, are located in close proximity on chromosome 4. The protein encoded by this gene is a member of the purine/pyrimidine phosphoribosyltransferase family. This protein is a regulatory allosteric enzyme that catalyzes the first step of de novo purine nucleotide biosynthesis. This gene and PAICS/AIRC, a bifunctional enzyme catalyzing steps six and seven in the purine nucleotide biosynthesis pathway, are located in close proximity on chromosome 4.</p> <p>Alias Symbols: ATASE, GPAT, PRAT</p> <p>Protein Interaction Partner: FAM96B, CIAO1, FAM114A1, PARVA, CARM1, RANBP3, TROVE2, RSU1, MEA1, ILK, HSPA4, GART, CARS, MMS19, EPT1, ATXN1, SMURF1, MCM3, UBC,</p> <p>Protein Size: 517</p>
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Molecular Weight:	56 kDa
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Gene ID:	5471
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NCBI Accession:	NM_002703 , NP_002694
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UniProt:	Q06203
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 517 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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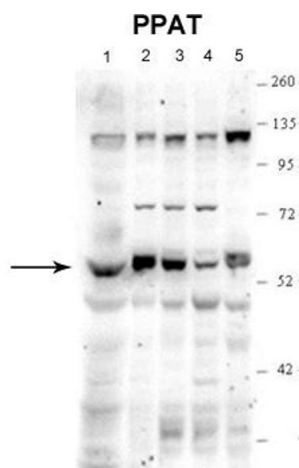
Handling

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



See Immunoblot 2 Data and Customer Feedback tab for more information.

Western Blotting

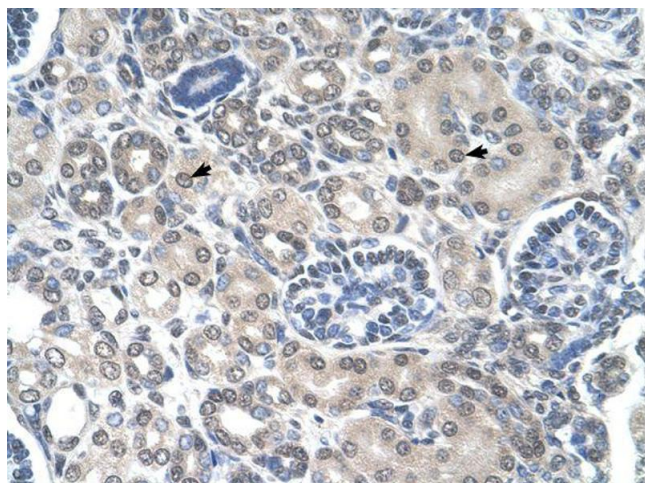
Image 1. Sample Type: 1. Human Skin Fibroblasts (100ug)
2. HepG2 cells (20ug)
3. HEK273 cells (20ug)
4. HeLa skin cells(20ug)
5. Hamster CHO K1 cells (20ug)

Primary Dilution: 1:5000

Secondary Antibody: Clean-Blot IP detection Reagent and Kit

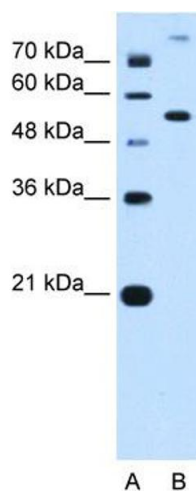
Secondary Dilution: 1:2000

Image Submitted By: V. Skopova, M. Zikanova
Institute of Inherited Metabolic Disorders, Charles University
in Prague and General Hopspital in Prague



Immunohistochemistry

Image 2.



Western Blotting

Image 3. PPAT antibody - N-terminal region validated by WB using HepG2 Cell Lysate at 0.25ug/ml. PPAT is supported by BioGPS gene expression data to be expressed in HepG2

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2782471.