

Rabbit PPAT Polyclonal Antibody | anti-PPAT antibody

PPAT antibody - N-terminal region

CATALOG # AAA199653	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Rabbit, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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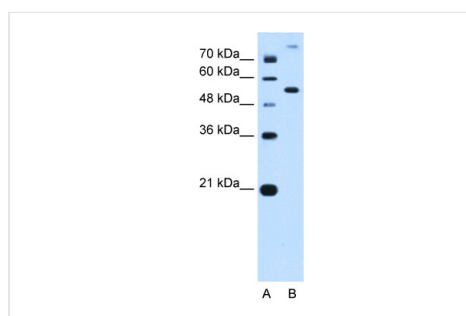
PRODUCT SYNONYMS

PPAT; Polyclonal Antibody; PPAT antibody - N-terminal region; anti-PPAT antibody

PRODUCT SPECIFICATIONS

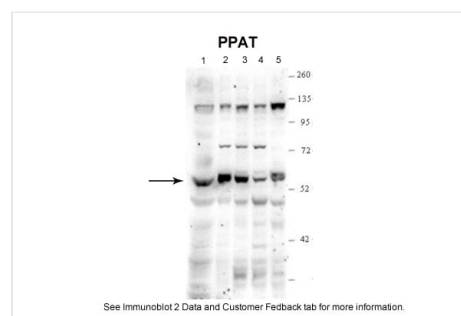
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: VT SDGSSVPTFK SHKGMGLVNH VFTEDNLKKL YVSNLGLIGHT RYATTGKC
Sequence Length	517
Applicable Applications for anti-PPAT antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 86%; Dog: 86%; Guinea Pig: 86%; Horse: 86%; Human: 100%; Rabbit: 93%; Rat: 79%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PPAT
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

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



WB (Western Blot)

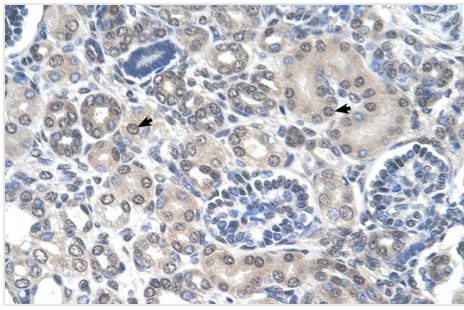
Sample Type: Human, Hamster

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

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IHC (Immunohistochemistry)
Human kidney

ADDITIONAL INFORMATION

Related Product Information for anti-PPAT antibody	This is a rabbit polyclonal antibody against PPAT. It was validated on Western Blot and immunohistochemistry Target Description: 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.
Product Categories/Family for anti-PPAT antibody	Polyclonal; RNA Binding Proteins; Signal Proteins; Lymphocyte Signaling; Membrane Protein; Drugs and Drug Metabolism; Developmental Biology; Immunohistochemistry; Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	29570798
NCBI GeneID	5471
NCBI Accession #	NP_002694
NCBI GenBank Nucleotide #	NM_002703
UniProt Accession #	Q06203
Molecular Weight	56kDa
NCBI Official Full Name	amidophosphoribosyltransferase
NCBI Official Synonym Full Names	phosphoribosyl pyrophosphate amidotransferase
NCBI Official Symbol	PPAT
NCBI Official Synonym Symbols	GPAT; PRAT; ATASE
NCBI Protein Information	amidophosphoribosyltransferase
UniProt Protein Name	Amidophosphoribosyltransferase
UniProt Gene Name	PPAT
UniProt Synonym Gene Names	GPAT; ATase; GPAT
UniProt Entry Name	PUR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.