

Rabbit PPAT Polyclonal Antibody | anti-PPAT antibody

PPAT antibody - C-terminal region

CATALOG # AAA199654	HOST Rabbit	REACTIVITY Dog, Horse, Human, Mouse, Rat	APPLICATIONS Western Blot
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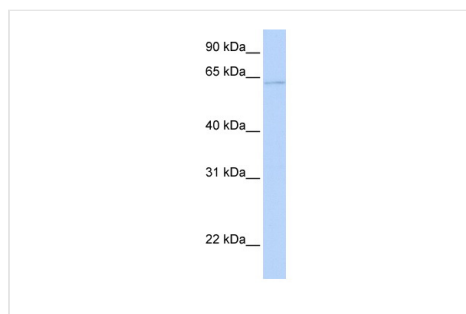
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

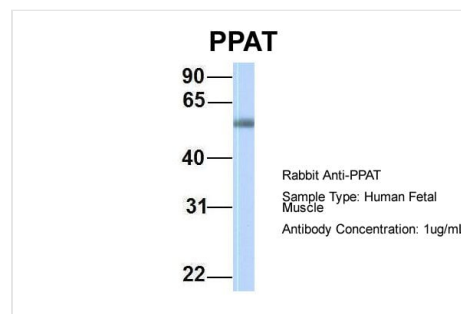
Host	Rabbit
Reactivity	Dog, Horse, Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: QE GIKFKKQKEK KHDIMIQENG NGLECFEKSG HCTACLTGKY PVELEW
Sequence Length	517
Applicable Applications for anti-PPAT antibody	WB (Western Blot)
Homology	Dog: 92%; Horse: 77%; Human: 100%; Mouse: 86%; Rat: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the C 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



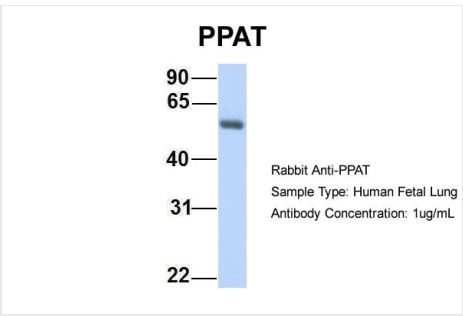
WB (Western Blot)

WB Suggested Anti-PPAT Antibody Titration: 0.2-1 ug/mL
 ELISA Titer: 1:62500
 Positive Control: 721_B cell lysate
 PPAT is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



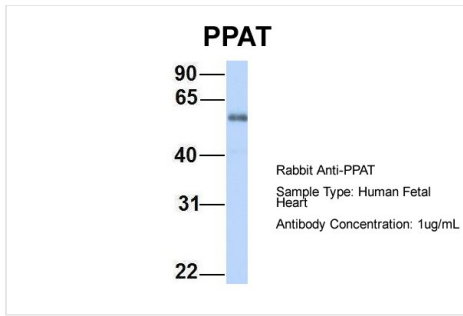
WB (Western Blot)

Host: Rabbit
 Target Name: PPAT
 Sample Type: Human Fetal Muscle
 Antibody Dilution: 1.0ug/ml



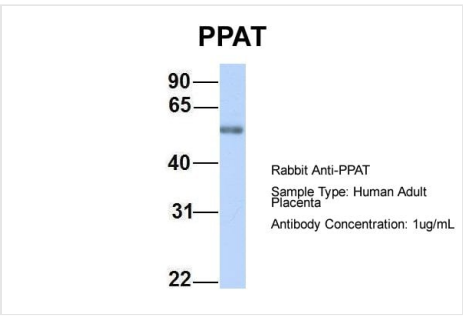
WB (Western Blot)

Host: RabbitTarget Name: PPATSample Type: Human Fetal LungAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: RabbitTarget Name: PPATSample Type: Human Fetal HeartAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: RabbitTarget Name: PPATSample Type: Human Adult PlacentaAntibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-PPAT antibody

This is a rabbit polyclonal antibody against PPAT. It was validated on Western Blot using a cell lysate as a positive control.

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. 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](#); [Drugs and Drug Metabolism](#); [Chromatin & Nuclear Signaling](#); [Signal Transduction](#)

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ppat-antibody-western-blot-elisa/199654>