

Datasheet for ABIN2782472
anti-PPAT antibody (C-Term)[Go to Product page](#)

5 Images

Overview

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

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human PPAT
Sequence:	QEGIKFKKQK EKKHDIMIQE NGNGLECFEK SGHCTACLTG KYPVELEW
Predicted Reactivity:	Dog: 92%, Horse: 77%, Human: 100%, Mouse: 86%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against PPAT. It was validated on Western Blot using a cell lysate as a positive control.
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. 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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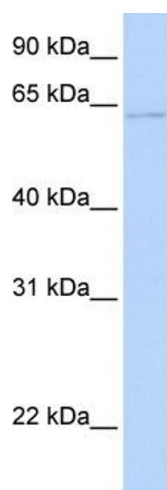
Concentration:	Lot specific
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Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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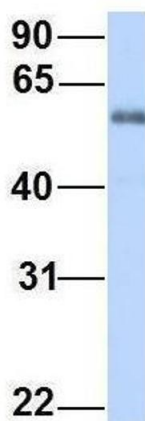
Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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



PPAT

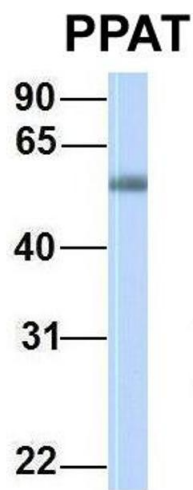


Western Blotting

Image 1. 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

Western Blotting

Image 2. Host: Rabbit Target Name: PPAT Sample Type: Human Fetal Heart Antibody Dilution: 1.0ug/ml



Western Blotting

Image 3. Host: Rabbit Target Name: PPAT Sample Type: Human Fetal Muscle Antibody Dilution: 1.0ug/ml

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN2782472.