

Rabbit PPAT Polyclonal Antibody | anti-PPAT antibody

PPAT Antibody

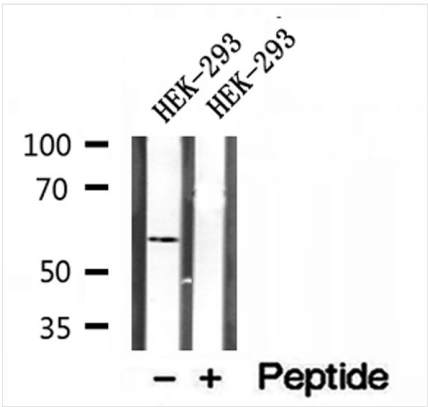
CATALOG # AAA322956	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

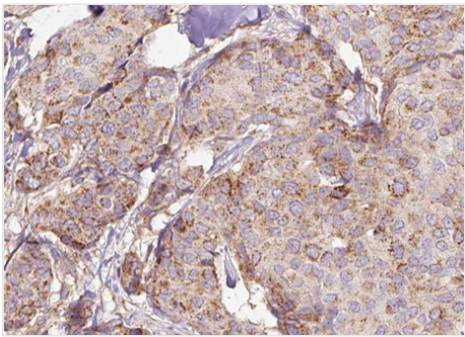
PPAT; Polyclonal Antibody; PPAT Antibody; Amidophosphoribosyltransferase [Precursor]; Amidophosphoribosyltransferase; ATase; Glutamine phosphoribosylpyrophosphatase amidotransferase; Glutamine phosphoribosylpyrophosphate amidotransferase; Glutamine PRPP amidotransferase; GPAT; Phosphoribosyl pyrophosphate amidotransferase; Ppat; PRAT; PUR1_HUMAN; anti-PPAT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PPAT antibody detects endogenous levels of PPAT.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	517
Applicable Applications for anti-PPAT antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PPAT.
Tissue Specificity	Ubiquitously expressed.
Predicted Cross Reactivity	Pig, Zebrafish, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (91%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts of HEK-293 cells, using PPAT antibody.



IHC (Immunohistochemistry)
AAA322956 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PPAT antibody	Function: 5-phospho-beta-D-ribosylamine + diphosphate + L-glutamate = L-glutamine + 5-phospho-alpha-D-ribose 1-diphosphate + H2O. Subunit Structure: Homotetramer. Similarity: In the C-terminal section; belongs to the purine/pyrimidine phosphoribosyltransferase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29570798
NCBI GeneID	5471
NCBI Accession #	NP_002694.3
NCBI GenBank Nucleotide #	NM_002703.4
UniProt Accession #	Q06203
Molecular Weight	Observed: 50-56 kD Predicted: 58 kDa
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

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.