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Product datasheet for TA504463S

Phosphoribosyl pyrophosphate amidotransferase (PPAT) Mouse Monoclonal Antibody [Clone ID: OTI2C2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2C2
Applications:	FC, WB
Recommended Dilution:	WB 1:500, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 42-278 of human PPAT(NP_002694) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.57 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	57.2 kDa
Gene Name:	phosphoribosyl pyrophosphate amidotransferase
Database Link:	NP_002694 Entrez Gene 117544 RatEntrez Gene 231327 MouseEntrez Gene 5471 Human Q06203

View online »

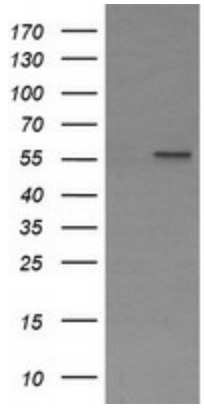
Background: The protein encoded by this gene is a member of the purine/pyrimidine phosphoribosyltransferase family. It is a regulatory allosteric enzyme that catalyzes the first step of de novo purine nucleotide biosythetic pathway. This gene and PAICS/AIRC gene, a bifunctional enzyme catalyzing steps six and seven of this pathway, are located in close proximity on chromosome 4, and divergently transcribed from an intergenic region. [provided by RefSeq, Mar 2011]

Synonyms: ATASE; GPAT; PRAT

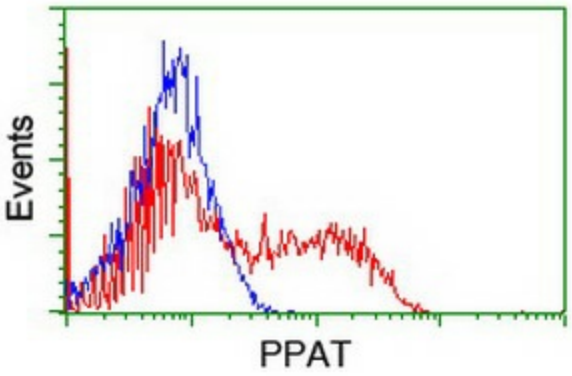
Protein Families: Druggable Genome, Protease

Protein Pathways: Alanine, aspartate and glutamate metabolism, Metabolic pathways, Purine metabolism

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PPAT ([RC201144], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PPAT. Positive lysates [LY400951] (100ug) and [LC400951] (20ug) can be purchased separately from OriGene.



HEK293T cells transfected with either [RC201144] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PPAT antibody ([TA504463]), and then analyzed by flow cytometry.