

For Research Use Only

PPAT Recombinant antibody

Catalog Number: 85096-1-RR



Basic Information

Catalog Number: 85096-1-RR	GenBank Accession Number: BC004200	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5471	CloneNo.: 242513C4
Source: Rabbit	UNIPROT ID: Q06203	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: phosphoribosyl pyrophosphate amidotransferase	
Immunogen Catalog Number: AG7618	Calculated MW: 57 kDa	
	Observed MW: 57 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls:
Species Specificity: human	WB : A549 cells, MCF-7 cells, LNCaP cells, HEK-293 cells, HepG2 cells

Background Information

PPAT, also known as ATase (amidophosphoribosyltransferase) or GPAT (glutamine phosphoribosylpyrophosphate amidotransferase) is the rate-limiting enzyme in the de novo pathway of purine ribonucleotide synthesis and is regulated by feedback inhibition by AMP and GMP. PPAT expression modulates pyruvate kinase activity, cell proliferation and invasion (PMID: 26140362).

Storage

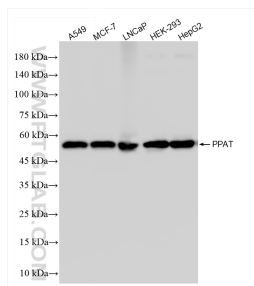
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

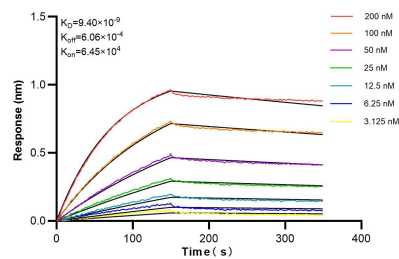
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85096-1-RR (PPAT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85096-1-RR against Human PPAT were performed. The affinity constant is 9.40 nM.