

For Research Use Only

PPAT Recombinant antibody

Catalog Number: 85096-1-RR



Basic Information

Catalog Number:

85096-1-RR

Concentration:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7618

GenBank Accession Number:

BC004200

GeneID (NCBI):

5471

UNIPROT ID:

Q06203

Full Name:

phosphoribosyl pyrophosphate

amidotransferase

Calculated MW:

57 kDa

Observed MW:

57 kDa

Purification Method:

Protein A purification

CloneNo.:

242513C4

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

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

For technical support and original validation data for this product please contact:

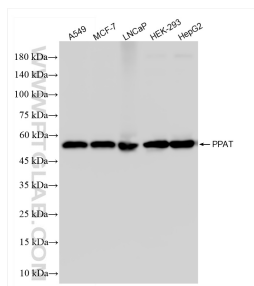
T: 4006900926

E: Proteintech-CN@ptglab.com

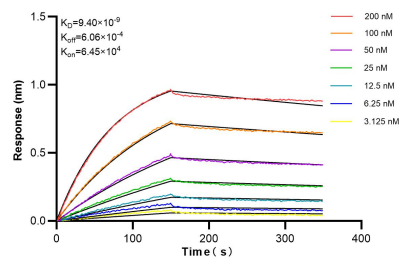
W: ptgcn.com

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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.