

For Research Use Only

GPAM Recombinant antibody

Catalog Number: 84054-5-RR



Basic Information

Catalog Number:

84054-5-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3120

GenBank Accession Number:

BC030783

GeneID (NCBI):

57678

UNIPROT ID:

Q9HCL2

Full Name:

glycerol-3-phosphate acyltransferase,
mitochondrial

Calculated MW:

828 aa, 94 kDa

Observed MW:

90-92 kDa

Purification Method:

Protein A purification

CloneNo.:

241144H6

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB: mouse liver tissue, rat liver tissue

Background Information

GPAM (Glycerol-3-Phosphate Acyltransferase, Mitochondrial) is a Protein Coding gene. This gene encodes a mitochondrial enzyme which prefers saturated fatty acids as its substrate for the synthesis of glycerolipids. This metabolic pathway's first step is catalyzed by the encoded enzyme. Two forms for this enzyme exist, one in the mitochondria and one in the endoplasmic reticulum. Two alternatively spliced transcript variants have been described for this gene. Diseases associated with GPAM include Rhizomelic Chondrodysplasia Punctata, Type 2 and Congenital Generalized Lipodystrophy. GPAM can be detected as 90-92 kDa.

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:

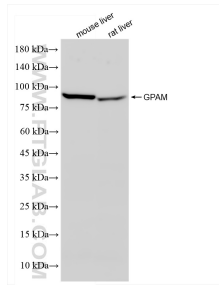
T: 4006900926

E: Proteintech-CN@ptglab.com

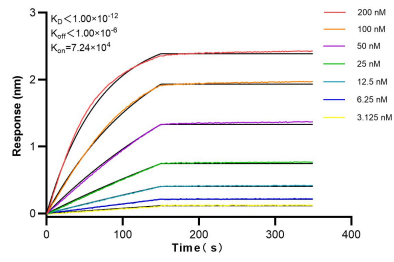
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84054-5-RR (GPAM antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84054-5-RR against Human GPAM were performed. The affinity constant is below 1 pM.