

For Research Use Only

GPAM Polyclonal antibody

Catalog Number: 12454-1-AP



Basic Information

Catalog Number:

12454-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop;

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:

Antigen affinity purification

Recommended Dilutions:

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

IP, IHC, ELISA

Species Specificity:

mouse

Positive Controls:

IP: mouse liver tissue,

IHC: rat brain tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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

*** 20ul sizes contain 0.1% BSA

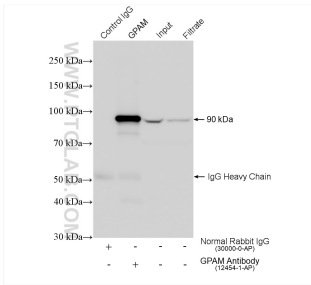
For technical support and original validation data for this product please contact:

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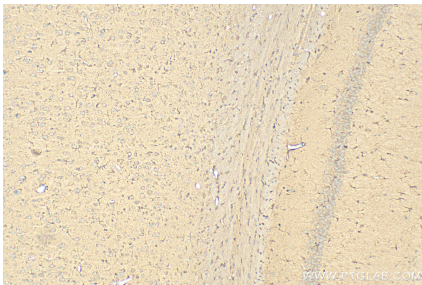
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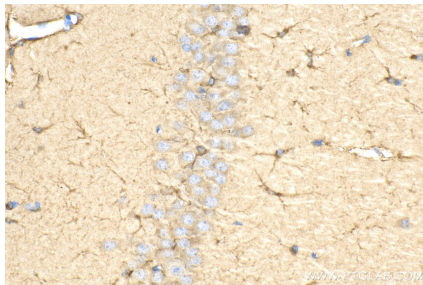
Selected Validation Data



IP result of anti-GPAM (IP:12454-1-AP, 4ug; Detection:12454-1-AP 1:2000) with mouse liver tissue lysate 1840 ug.



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 12454-1-AP (GPAM antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 12454-1-AP (GPAM antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).