

For Research Use Only

# GPAM Polyclonal antibody

Catalog Number: 12454-1-AP



## Basic Information

<b>Catalog Number:</b> 12454-1-AP	<b>GenBank Accession Number:</b> BC030783	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 750 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57678	<b>Recommended Dilutions:</b> IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> glycerol-3-phosphate acyltransferase, mitochondrial	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 828 aa, 94 kDa	
<b>Immunogen Catalog Number:</b> AG3120	<b>Observed MW:</b> 90-92 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> mouse	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

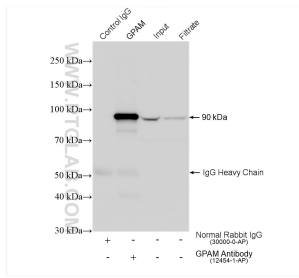
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

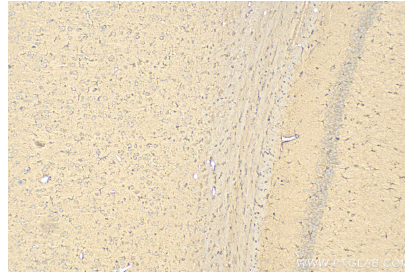
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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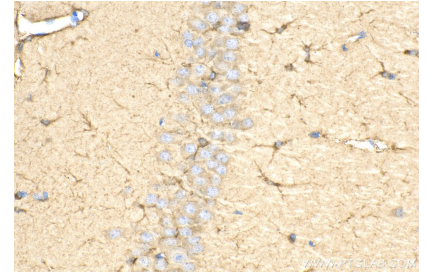
## Selected Validation Data



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).