

For Research Use Only

# GAMT Polyclonal antibody

Catalog Number: 10880-1-AP

8 Publications



## Basic Information

### Catalog Number:

10880-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1327

### GenBank Accession Number:

BC016760

### GeneID (NCBI):

2593

### UNIPROT ID:

Q14353

### Full Name:

guanidinoacetate N-methyltransferase

### Calculated MW:

26 kDa

### Observed MW:

26 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, zebrafish

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

### Positive Controls:

**WB** : HEK-293 cells, mouse liver tissue, rat liver tissue, HepG2 cells, SH-SY5Y cells

**IHC** : human liver tissue, human prostate cancer tissue

## Background Information

GAMT converts the latter to creatine with S-adenosylmethionine as the methyl donor. GAMT was induced in human and mouse cells in response to genotoxic and metabolic stress. GAMT was required for p53-dependent upregulation of creatine biosynthesis, fatty acid oxidation, and apoptosis in response to glucose deprivation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ling Huang	35722424	Ann Transl Med	WB
Yi Lu	35276125	Toxicol Appl Pharmacol	WB
Sho Nishikawa	31914311	J Agric Food Chem	WB

## 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

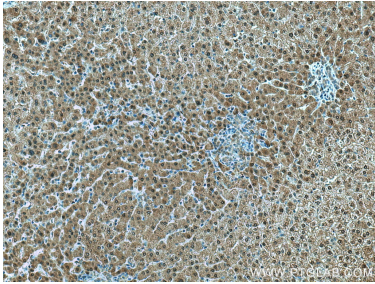
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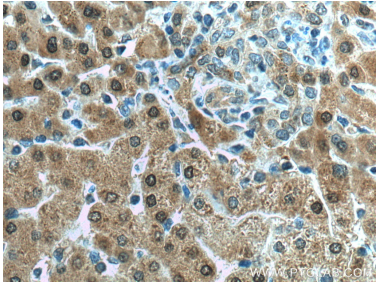
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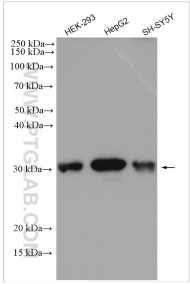
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 10880-1-AP (GAMT 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 human liver tissue slide using 10880-1-AP (GAMT antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 10880-1-AP (GAMT antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.