

For Research Use Only

# GAMT Monoclonal antibody

Catalog Number: 66322-1-Ig **2 Publications**



## Basic Information

Catalog Number:

66322-1-Ig

Size:

2300 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG16778

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:

Protein A purification

CloneNo.:

1E7B11

Recommended Dilutions:

WB 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, rat, mouse, pig

Cited Species:

human, mouse

Positive Controls:

WB: fetal human brain tissue, mouse liver tissue, pig liver tissue, rat liver 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
Kelei Li	29561026	Food Funct	WB
Zhuyin Jia	31888640	BMC Cardiovasc Disord	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

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

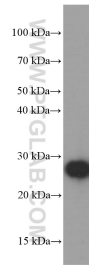
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 66322-1-Ig (GAMT Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.