

For Research Use Only

# GATM Monoclonal antibody, PBS Only

Catalog Number: 68513-1-PBS



## Basic Information

Catalog Number:

68513-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG3754

GenBank Accession Number:

BC004141

GeneID (NCBI):

2628

UNIPROT ID:

P50440

Full Name:

glycine amidinotransferase (L-arginine:glycine amidinotransferase)

Calculated MW:

423 aa, 48 kDa

Observed MW:

48 kDa

Purification Method:

Protein G purification

CloneNo.:

1D12G5

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat, pig

## Background Information

GATM, also known as AGAT, produces ornithine and guanidinoacetate (GAA) from arginine and glycine, and is a key enzyme for creatine synthesis. GATM deficiency in early infancy causes neurodevelopmental delay. GATM is predominantly expressed in kidney and pancreas in adults. Decrease of GATM proteins was observed in proximal tubule damage cases, which links GATM as a general marker for proximal tubule damage. Alternative splicing of GATM generates three isoforms with molecular weights between 44 kDa to 48 kDa.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

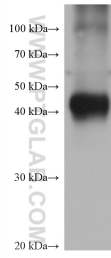
T: 4006900926

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

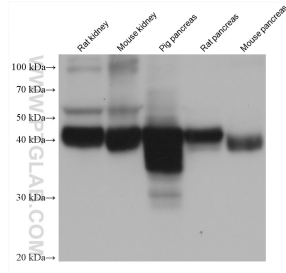
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



pig kidney tissue were subjected to SDS PAGE followed by western blot with 68513-1-Ig (GATM antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68513-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 68513-1-Ig (GATM antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68513-1-PBS in a different storage buffer formulation.