

For Research Use Only

# GAMT Monoclonal antibody, PBS Only



Catalog Number: 66322-1-PBS

## Basic Information

Catalog Number:

66322-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

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

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, rat, mouse, pig

## 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.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

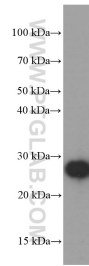
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## Selected Validation Data



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. This data was developed using the same antibody clone with 66322-1-PBS in a different storage buffer formulation.