

For Research Use Only

# GAMT Monoclonal antibody, PBS Only



Catalog Number: 66322-1-PBS

## Basic Information

<b>Catalog Number:</b> 66322-1-PBS	<b>GenBank Accession Number:</b> BC016760	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 2593	<b>CloneNo.:</b> 1E7B11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q14353	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> guanidinoacetate N- methyltransferase	
<b>Immunogen Catalog Number:</b> AG16778	<b>Calculated MW:</b> 26 kDa	
	<b>Observed MW:</b> 26 kDa	

## 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:

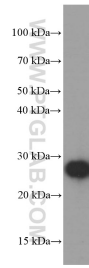
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## Selected Validation Data



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.