

For Research Use Only

GAMT Monoclonal antibody

Catalog Number: 66322-1-Ig **4 Publications**



Basic Information

Catalog Number: 66322-1-Ig	GenBank Accession Number: BC016760	Purification Method: Protein A purification
Size: 150ul , Concentration: 2300 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2593	CloneNo.: 1E7B11
Source: Mouse	UNIPROT ID: Q14353	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG2a	Full Name: guanidinoacetate N-methyltransferase	
Immunogen Catalog Number: AG16778	Calculated MW: 26 kDa	
	Observed MW: 26 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : fetal human brain tissue, mouse liver tissue, pig liver tissue, rat liver tissue
Cited Applications: WB	
Species Specificity: human, rat, mouse, pig	
Cited Species: human, mouse	

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
Wenxue Wu	39747986	Sci Rep	WB

Storage

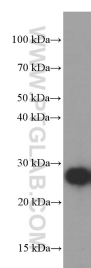
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.