For Research Use Only

GAMT Monoclonal antibody

Catalog Number:66322-1-Ig 2 Publications

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Basic Information

Catalog Number:
66322-1-Ig

Size:
150ul , Concentration: 2300 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG16778

GenBank Accession Number:
BC016760

GeneID (NCBI):
2593

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

*** 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
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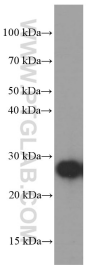
Selected Validation Data



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.