

For Research Use Only

GATM Monoclonal antibody

Catalog Number: 68513-1-Ig



Basic Information

Catalog Number: 68513-1-Ig	GenBank Accession Number: BC004141	Purification Method: Protein G purification
Size: 150ul, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2628	CloneNo.: 1D12G5
Source: Mouse	Full Name: glycine amidinotransferase (L- arginine:glycine amidinotransferase)	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 423 aa, 48 kDa	
Immunogen Catalog Number: AG3754	Observed MW: 48 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, mouse, rat, pig

Positive Controls:
WB : pig kidney tissue, rat kidney tissue, mouse kidney
tissue, pig pancreas tissue, rat pancreas tissue, mouse
pancreas tissue

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 -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

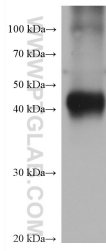
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

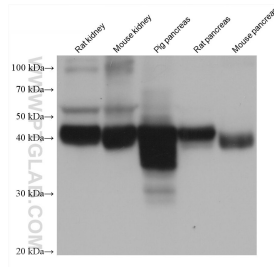
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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.



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.