

For Research Use Only

GATM Monoclonal antibody, PBS Only

Catalog Number: 68513-1-PBS



Basic Information

Catalog Number: 68513-1-PBS	GenBank Accession Number: BC004141	Purification Method: Protein G purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 2628	CloneNo.: 1D12G5
Source: Mouse	UNIPROT ID: P50440	
Isotype: IgG1	Full Name: glycine amidinotransferase (L-arginine:glycine amidinotransferase)	
Immunogen Catalog Number: AG3754	Calculated MW: 423 aa, 48 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat, pig

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 -80°C.

Storage Buffer:
PBS Only

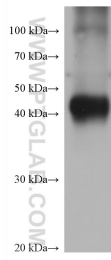
For technical support and original validation data for this product please contact:

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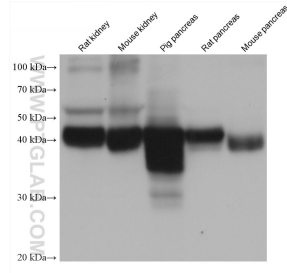
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W: ptglab.com

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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. This data was developed using the same antibody clone with 68513-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 68513-1-PBS in a different storage buffer formulation.