

For Research Use Only

# GMDS Recombinant antibody, PBS Only

Catalog Number: 86435-1-PBS



## Basic Information

Catalog Number:	86435-1-PBS	GenBank Accession Number:	BC000117	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	2762	CloneNo.:	251146A1
Source:	Rabbit	UNIPROT ID:	O60547		
Isotype:	IgG	Full Name:	GDP-mannose 4,6-dehydratase		
Immunogen Catalog Number:	AG7319	Calculated MW:	42 kDa		
		Observed MW:	42 kDa		

## Applications

### Tested Applications:

WB, Indirect ELISA

### Species Specificity:

human, mouse, rat

## Background Information

GDP-D-mannose-4,6-dehydratase (GMDS) is the key enzyme in the 'de novo' pathway of GDP-L-fucose biosynthesis (PMID:10462046). The enzyme is also named as GMD and belongs to the GDP-mannose 4,6-dehydratase family. The gene encodes a 42 kDa protein that catalyzes the conversion of GDP-mannose to GDP-4-keto-6-deoxymannose, the first step in the synthesis of GDP-fucose from GDP-mannose, using NADP<sup>+</sup> as a cofactor.

## Storage

### Storage:

Store at -80°C.

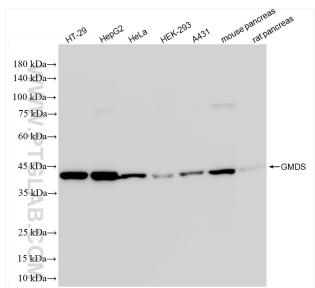
### Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86435-1-RR (GMDS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86435-1-PBS in a different storage buffer formulation.