

For Research Use Only

GMDS Recombinant antibody

Catalog Number: 86435-1-RR



Basic Information

Catalog Number:	86435-1-RR	GenBank Accession Number:	BC000117	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	2762	CloneNo.:	251146A1
Source:	Rabbit	UNIPROT ID:	O60547	Recommended Dilutions:	WB: 1:5000-1:50000
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, ELISA	Positive Controls:
Species Specificity:	human, mouse, rat	WB: HT-29 cells, HepG2 cells, HeLa cells, HEK-293 cells, A431 cells, mouse pancreas tissue, rat pancreas tissue

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⁺ as a cofactor.

Storage

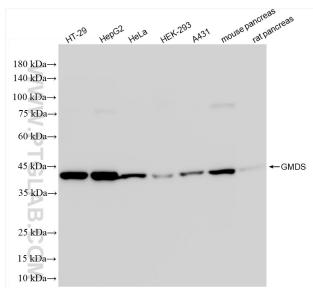
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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



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.