

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;	GeneID (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

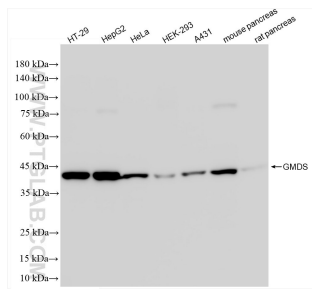
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.