

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
Concentration:	1000 µg/ml	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

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

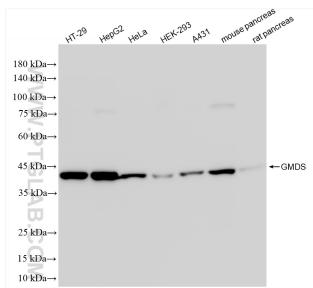
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Selected Validation Data



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.