

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
Concentration: 1000 µg/ml	GeneID (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⁺ as a cofactor.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

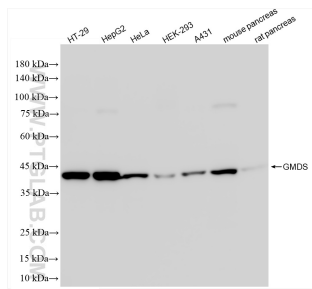
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Selected Validation Data



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. This data was developed using the same antibody clone with 86435-1-PBS in a different storage buffer formulation.