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Product datasheet for TA502141

GMDS Mouse Monoclonal Antibody [Clone ID: OTI2A1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2A1
Applications:	WB
Recommend Dilution:	WB 1:2000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human GMDS (NP_001491) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.64 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	41.8 kDa
Gene Name:	GDP-mannose 4,6-dehydratase
Database Link:	NP_001491 Entrez Gene 2762 Human
Background:	GDP-mannose 4,6-dehydratase (GMD; EC 4.2.1.47) 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. The second and third steps of the pathway are catalyzed by a single enzyme, GDP-keto-6-deoxymannose 3,5-epimerase, 4-reductase, designated FX in humans (MIM 137020). [supplied by OMIM]
Synonyms:	GMD; SDR3E1
Protein Families:	Druggable Genome
Protein Pathways:	Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Metabolic pathways

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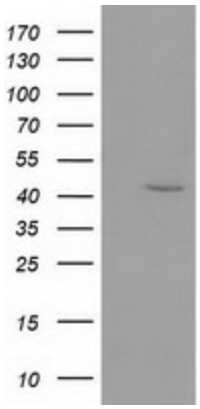
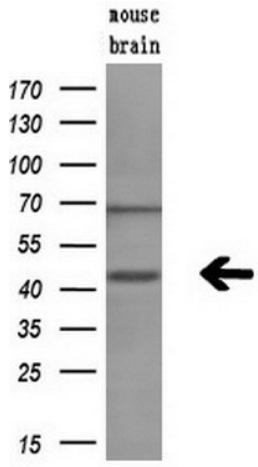
Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY GMDS ([RC200471], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-GMDS. Positive lysates [LY419903] (100ug) and [LC419903] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from a mouse tissue by using anti-GMDS monoclonal antibody (1:200).