



Rabbit Anti-GMDS antibody

SL13453R

Product Name:	GMDS
Chinese Name:	甘露糖脱水酶GMDS抗体
Alias:	GDP D mannose dehydratase; GDP mannose 4 6 dehydratase; GDP-D-mannose dehydratase; GDP-mannose 4,6 dehydratase; GMD; Gmds; GMDS_HUMAN; OTTHUMP00000017756; OTTHUMP00000232770; SDR3E1; Short chain dehydrogenase/reductase family 3E member 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Horse,Rabbit,Zebrafish,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	42kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GMDS:201-300/372
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	GMD is a 372 amino acid protein that utilizes NADP as a cofactor to catalyze the conversion of GDP-mannose to GDP-4-keto-6-deoxymannose. GMD mutations are involved in resistance to TRAIL (tumor necrosis factor-related apoptosis-inducing ligand)-induced apoptosis. The gene encoding GMD maps to human chromosome 6,

which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

Function:

Conversion of GDP-D-mannose to GDP-4-keto-6-D-deoxymannose.

Similarity:

Belongs to the GDP-mannose 4,6-dehydratase family.

SWISS:

O60547

Gene ID:

2762

Database links:

[Entrez Gene: 617688](#)Cow

[Entrez Gene: 2762](#)Human

[Entrez Gene: 218138](#)Mouse

[Entrez Gene: 291095](#)Rat

[Entrez Gene: 393461](#)Zebrafish

[Omim: 602884](#)Human

[SwissProt: O60547](#)Human

[SwissProt: Q8K0C9](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.