

For Research Use Only

MAN1B1 Monoclonal antibody

Catalog Number: 68121-1-Ig



Basic Information

Catalog Number: 68121-1-Ig	GenBank Accession Number: BC002953	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 11253	CloneNo.: 3C9F10
Source: Mouse	UNIPROT ID: Q9UKM7	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG2b	Full Name: mannosidase, alpha, class 1B, member 1	
Immunogen Catalog Number: AG28302	Calculated MW: 80 kDa	
	Observed MW: 80 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, MCF-7 cells, HEK-293 cells, LNCaP cells, HaCaT cells, U-87 MG cells, HepG2 cells
Species Specificity: Human	

Background Information

MAN1B1, also known as ERMAN1, MANA-ER, belongs to the glycosyl hydrolase 47 family. MAN1B1 is involved in glycoprotein quality control targeting of misfolded glycoproteins for degradation, specifically converting Man9GlcNAc to Man8GlcNAc isomer B. At high enzyme concentrations, it further trims the carbohydrates to Man5-6GlcNAc2 (PMID: 18003979). Mutations in MAN1B1 cause autosomal-recessive intellectual disability. This gene has been associated with Rafiq syndrome (PMID: 21763484).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

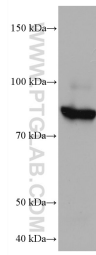
T: 4006900926

E: Proteintech-CN@ptglab.com

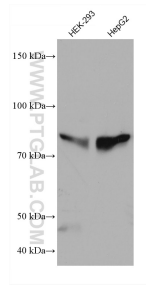
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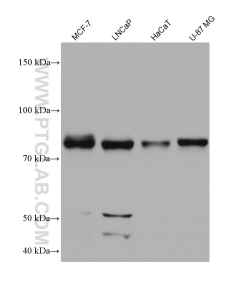
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 68121-1-Ig (MAN1B1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 68121-1-Ig (MAN1B1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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