

For Research Use Only

MAN1B1 Monoclonal antibody, PBS Only



Catalog Number: 68121-1-PBS

Basic Information

Catalog Number: 68121-1-PBS	GenBank Accession Number: BC002953	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 11253	CloneNo.: 3C9F10
Source: Mouse	UNIPROT ID: Q9UKM7	
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, IF, Indirect ELISA

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

Storage Buffer:
PBS Only

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

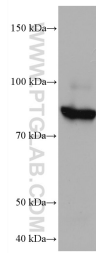
T: 4006900926

E: Proteintech-CN@ptglab.com

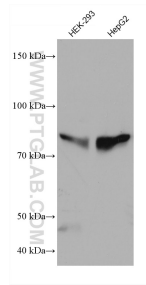
W: ptgcn.com

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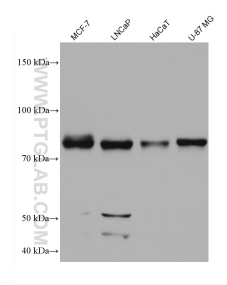
Selected Validation Data



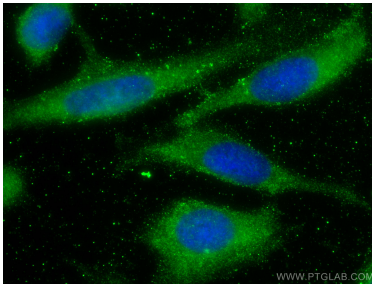
HeLa cells were subjected to SDS PAGE followed by western blot with 68121-1-Ig (MAN1B1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68121-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 68121-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 68121-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using MAN1B1 antibody (68121-1-Ig, Clone: 3C9F10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68121-1-PBS in a different storage buffer formulation.