



## MAN1B1 Monoclonal Antibody

Reactivity	Catalog No	BYmab-02666
Applications WB  Gene Name MAN1B1  Protein Name Endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase Immunogen Synthesized peptide derived from MAN1B1. at AA range: 100-180  Specificity MAN1B1 Monoclonal Antibody detects endogenous levels of MAN1B1 protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms MAN1B1; Endoplasmic reticulum mannosyl-oligosaccharide 1; 2-alpha-mannosidase; ER alpha-1,2-mannosidase; ER mannosidase alpha class 1B member 1  Observed Band 80kD  Cell Pathway Endoplasmic reticulum membrane; Single-pass type II membrane protein .  Tissue Specificity Widely expressed.  Function catalytic activity:Hydrolysis of the terminal (1->2)-linked alpha-D-mannose residues in the oligo-mannose oligosaccharide Man(9)(GloNAc)(2), cofactor:Calclum, enzyme regulation:Inhibited by both 1-deoxymannojirmycin and kifunensine, function:Involved in the maturation of Asn-linked oligosaccharides. Trim a single alpha-1,2-linked mannose residue from Man(9)GloNAc(2) to produce Man(8)GloNAc(2). The only product is the Man(8)GloNAc(2): The only product is the mannose residue from Man(8)GloNAc(2): The only product is the Man(8)GloNAc(2): The only product is the Man(8)GloNAc(2): The only product is the mannose residue from Man(8) GloNAc(2): The only product is the mannose residue from Man(8) GloNAc(2): The only product is the mannose residue from Man(8) GloNAc(2): The only product is the mannose residue from Man(8) GloNAc(2): The only product is the mannose residue from Man(8) GloNAc(2): The only product is the mannose residue from Man(8) GloNAc(2): The only product is the mannose residue fro	Isotype	IgG
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Protein Name   Endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase   Immunogen   Synthesized peptide derived from MAN1B1 . at AA range: 100-180	Applications	WB
Immunogen         Synthesized peptide derived from MAN1B1 . at AA range: 100-180           Specificity         MAN1B1 Monoclonal Antibody detects endogenous levels of MAN1B1 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         MAN1B1; Endoplasmic reticulum mannosyl-oligosaccharide 1; 2-alpha-mannosidase; ER alpha-1,2-mannosidase; ER mannosidase 1; ERMan Man9GlcNAc2-specific-processing alpha-mannosidase; Mannosidase alpha class 1B member 1           Observed Band         80kD           Cell Pathway         Endoplasmic reticulum membrane; Single-pass type II membrane protein .           Tissue Specificity         Widely expressed.           Function         catalytic activity: Hydrolysis of the terminal (1->2)-linked alpha-D-mannose residues in the oligo-mannose oligosaccharide Man(9)(GlcNAc/2), cofactor: Calcium, enzyme regulation:Inhibited by both 1-deoxymannojirimycin and kifunensine, function:Involved in the maturation of Asn-linked oligosaccharides. Trim a single alpha-1,2-linked mannose residue from Man(9)GlcNAc/(2) isomer B. the form lacking the middle-arm terminal alpha	Gene Name	MAN1B1
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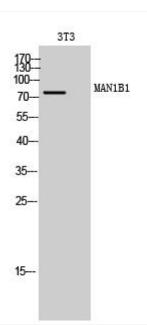






	important to target misfolded glycoproteins for degradation.,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyl hydrolase 47 family.,tissue specificity:Widely expressed.,
Background	This gene encodes an enzyme belonging to the glycosyl hydrolase 47 family. This enzyme functions in N-glycan biosynthesis, and is a class I alpha-1,2-mannosidase that specifically converts Man9GlcNAc to Man8GlcNAc isomer B. It is required for N-glycan trimming to Man5-6GlcNAc2 in the endoplasmic-reticulum-associated degradation pathway. Mutations in this gene cause autosomal-recessive intellectual disability. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 11. [provided by RefSeq, Dec 2011],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**



Western Blot analysis of various cells using MAN1B1 Monoclonal Antibody

Nanjing BYabscience technology Co.,Ltd

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