

**MAN1B1 Polyclonal Antibody**

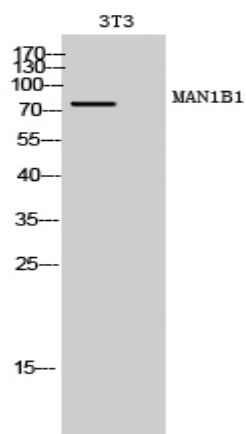
<b>Catalog No :</b>	YT2633
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	MAN1B1
<b>Fields :</b>	>>N-Glycan biosynthesis;>>Various types of N-glycan biosynthesis;>>Metabolic pathways;>>Protein processing in endoplasmic reticulum
<b>Gene Name :</b>	MAN1B1
<b>Protein Name :</b>	Endoplasmic reticulum mannosyl-oligosaccharide 1,2-alpha-mannosidase
<b>Human Gene Id :</b>	11253
<b>Human Swiss Prot No :</b>	Q9UKM7
<b>Mouse Swiss Prot No :</b>	A2AJ15
<b>Immunogen :</b>	Synthesized peptide derived from MAN1B1 . at AA range: 100-180
<b>Specificity :</b>	MAN1B1 Polyclonal Antibody detects endogenous levels of MAN1B1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

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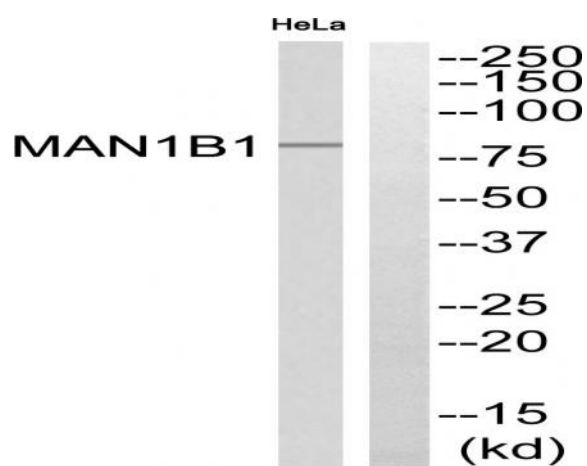
<b>Observed Band :</b>	80kD
<b>Cell Pathway :</b>	N-Glycan biosynthesis;
<b>Background :</b>	<p>This gene encodes an enzyme belonging to the glycosyl hydrolase 47 family. This enzyme functions in N-glycan biosynthesis, and is a class I alpha-1,2-mannosidase that specifically converts Man9GlcNAc to Man8GlcNAc 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],</p>
<b>Function :</b>	<p>catalytic activity:Hydrolysis of the terminal (1-&gt;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) to produce Man(8)GlcNAc(2). The only product is the Man(8)GlcNAc(2) isomer B, the form lacking the middle-arm terminal alpha 1,2-mannose. It may be involved in glycoprotein quality control since it is important to target misfolded glycoproteins for degradation.,pathway:Protein modification; protein glycosylation.,similarity:Belongs to the glycosyl hydrolase 47 family.,tissue specificity:Widely expressed.,</p>
<b>Subcellular Location :</b>	Endoplasmic reticulum membrane ; Single-pass type II membrane protein .
<b>Expression :</b>	Widely expressed.
<b>Sort :</b>	9356
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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## Products Images



Western Blot analysis of 3T3 cells using MAN1B1 Polyclonal Antibody



Western blot analysis of MAN1B1 Antibody. The lane on the right is blocked with the MAN1B1 peptide.