

**产品名称: MAN1B1 Rabbit Polyclonal Antibody**  
**产品货号: APRab13617**



## 产品概述 (Summary)

|                        |                                   |
|------------------------|-----------------------------------|
| 产品名称 (Production Name) | MAN1B1 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody        |
| 宿主 (Host)              | Rabbit                            |
| 应用 (Application)       | WB,ELISA                          |
| 种属反应性 (Reactivity)     | Human,Rat,Mouse                   |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | MAN1B1<br>MAN1B1; Endoplasmic reticulum mannosyl-oligosaccharide 1; 2-alpha-mannosidase; ER alpha-1,2-mannosidase; ER mannosidase 1; ERMan1; |
| 别名 (Alternative Names) | Man9GlcNAc2-specific-processing alpha-mannosidase; Mannosidase alpha class 1B member 1                                                       |
| 基因 ID (Gene ID)        | 11253.0                                                                                                                                      |
| 蛋白 ID (SwissProt ID)   | Q9UKM7.Synthesized peptide derived from MAN1B1 . at AA range: 100-180                                                                        |

## 产品应用 (Application)

|                          |                                      |
|--------------------------|--------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,ELISA 1:5000-1:20000 |
| 蛋白分子量 (Molecular Weight) | 80kDa                                |

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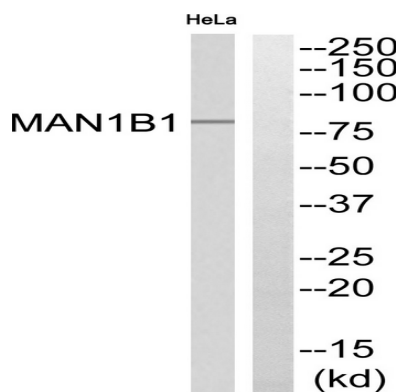
## 研究背景 (Background)

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], 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) 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,

## 研究领域 (Research Area)

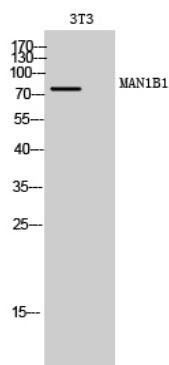
N-Glycan biosynthesis;

## 图片 (Image Data)



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

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Western Blot analysis of 3T3 cells using MAN1B1 Polyclonal Antibody

#### 注意事项 (Note)

For research use only .