

**Anti-Human MAN1B1 Polyclonal Antibody**

**Polyclonal Antibody**

**Cat.NO.: PA04826**

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3th Edition

**Description:** 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. MAN1B1 (Mannosidase Alpha Class 1B Member 1) is a Protein Coding gene. Diseases associated with MAN1B1 include Mental Retardation, Autosomal Recessive 15 and Man1b1-Cdg. Among its related pathways are Calnexin/calreticulin cycle and Mechanisms of CFTR activation by S-nitrosoglutathione (normal and CF). GO annotations related to this gene include calcium ion binding and mannosyl-oligosaccharide 1,2-alpha-mannosidase activity. An important paralog of this gene is MAN1A2.

**Antigen:** Synthesized peptide derived from the Internal region of human MAN1B1

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:** Widely expressed.