# MPU1 rabbit pAb

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| **Catalog No** | YP-Ab-09063 |
| **Isotype** | IgG |
| **Reactivity** | Human; Mouse |
| **Applications** | WB |
| **Gene Name** | MPDU1 |
| **Immunogen** | Synthesized peptide derived from human MPU1 AA range: 164-214 |
| **Specificity** | This antibody detects endogenous levels of MPU1 at Human/Mouse |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source** | Polyclonal, Rabbit,IgG |
| **Purification** | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |
| **Dilution** | WB 1:500-2000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | CDGIF;LEC35;mannose P dolichol utilization defect 1;Mannose-P-dolichol utilization defect 1 protein;MPDU1;MPU1_HUMAN;PQLC5;SL15;Suppressor of Lec15 and Lec35 glycosylation mutation homolog;MPU1 |
| **Observed Band** | |
| **Calculated Molecular Weight** | |
| **Cell Pathway** | Membrane ; Multi-pass membrane protein . |
| **Tissue Specificity** | |
| **Function** | disease:Defects in MPDU1 are the cause of congenital disorder of glycosylation type 1F (CDG1F) [MIM:609180]. CDGs are a family of severe inherited diseases caused by a defect in protein N-glycosylation. They are characterized by under-glycosylated serum proteins. These multisystem disorders present with a wide variety of clinical features, such as disorders of the nervous system development, psychomotor retardation, dysmorphic features, hypotonia, coagulation disorders, and immunodeficiency. The broad spectrum of features reflects the critical role of N-glycoproteins during embryonic development, differentiation, and maintenance of cell functions.,function:Not known. May be involved in the synthesis of the sugar donor Dol-P-Man which is required in the synthesis of N-linked and O-linked oligosaccharides and for that of GPI anchors., |

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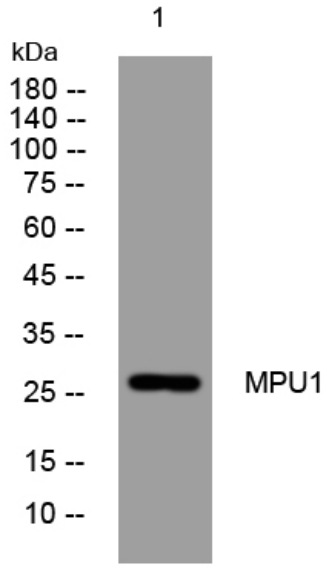
| | similarity:Belongs to the MPDU1 family.,similarity:Conta |
| **Background** | This gene encodes an endoplasmic reticulum membrane protein that is required for utilization of the mannose donor mannose-P-dolichol in the synthesis of lipid-linked oligosaccharides and glycosylphosphatidylinositols. Mutations in this gene result in congenital disorder of glycosylation type If. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2008], |
| **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 lysates from THP-1 cells, primary antibody was diluted at 1:1000, 4°over night