# CYBR1 mouse mAb

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| **Catalog No** | YP-mAb-12238 |
| **Isotype** | IgG |
| **Reactivity** | Human; Mouse;Rat |
| **Applications** | WB |
| **Gene Name** | CYBRD1 DCYTB FRRS3 |
| **Protein Name** | CYBR1 |
| **Immunogen** | Synthesized peptide derived from human CYBR1 AA range: 41-91 |
| **Specificity** | This antibody detects endogenous levels of CYBR1 at Human/Mouse/Rat |
| **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 serumby affinity-chromatography using specific immunogen. |
| **Dilution** | WB 1：500-2000 |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Observed Band** | |
| **Calculated Molecular Weight** | 31kD |
| **Cell Pathway** | Cell membrane ; Multi-pass membrane protein . Apical cell membrane ; Multi-pass membrane protein . Localized at the brush border of duodenal cells. . |
| **Tissue Specificity** | Present in erythrocyte membranes (at protein level). Also expressed in respiratory epithelium. |
| **Function** | cofactor:Binds 2 heme groups non-covalently.,disease:Defects in CYBRD1 may be a cause of primary hereditary hemochromatosis (HFE). HFE is an iron-loading disorder characterized by iron accumulation in parenchymal cells. Iron accumulation usually results in tissue damage and causes cirrhosis of the liver, diabetes mellitus, arthropathy, cardiomyopathy, endocrine abnormalities and an increased risk of hepatocellular carcinoma.,function:Ferric-chelate reductase that reduces Fe(3+) to Fe(2+). Present at the brush border of duodenal enterocytes where it probably reduces dietary Fe(3+) thereby facilitating its transport into the mucosal cells. Uses ascorbate as electron donor. May be involved in extracellular ascorbate recycling in erythrocyte membranes. May also act as a ferrireductase in airway epithelial cells.,induction:By iron deficiency (at protein level).,similarity:Contains 1 cytochrom |
| **Background** | This gene is a member of the cytochrome b(561) family that encodes an iron-regulated protein. It highly expressed in the duodenal brush border membrane. It has ferric reductase activity and is believed to play a physiological |

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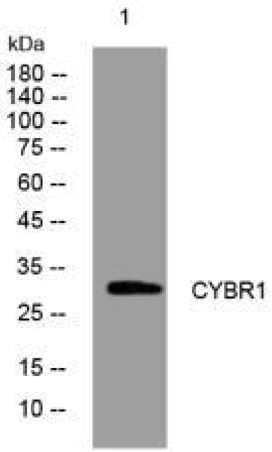
| | role in dietary iron absorption. [provided by RefSeq, Jul 2008], |
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

## Products Images



Western blot analysis of lysates from 3T3 cells, primary antibody was diluted at 1:1000, 4°over night