



# PIH1D1 Mouse mAb

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| <b>Catalog No</b>                  | YP-mAb-19489                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Reactivity</b>                  | Human,Mouse,Rat                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>                | WB                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Name</b>                   | PIH1D1 NOP17                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen</b>                   | Synthesized peptide derived from human PIH1D1. AA range:1-43                                                                                                                                                                                                                                                                                                                        |
| <b>Specificity</b>                 | This antibody detects endogenous levels of PIH1D1 at Human, Mouse,Rat                                                                                                                                                                                                                                                                                                               |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>                      | Monoclonal,Mouse,IgG                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purification</b>                | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                |
| <b>Dilution</b>                    | WB 1:500-2000                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Stability</b>           | -15°C to -25°C/1 year(Do not lower than -25°C)                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>                    | PIH1D1 NOP17;PIH1 domain-containing protein 1 (Nucleolar protein 17 homolog)                                                                                                                                                                                                                                                                                                        |
| <b>Observed Band</b>               |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Calculated Molecular Weight</b> | 32kD                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Cell Pathway</b>                | Nucleus .                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Tissue Specificity</b>          | Expressed at low levels in normal mammary epithelial cells (at protein level) (PubMed:24036451) . Highest expression in lung , leukocyte and placenta. Expressed at lower levels in brain , prostate , colon , heart , small intestine , liver , ovary , pancreas , skeletal muscle , spleen , testis and thymus (PubMed:21078300) .                                                |
| <b>Function</b>                    | Involved in the assembly of C/D box small nucleolar ribonucleoprotein (snoRNP) particles . Recruits the SWI/SNF complex to the core promoter of rRNA genes and enhances pre-rRNA transcription . Mediates interaction of TELO2 with the R2TP complex which is necessary for the stability of MTOR and SMG1 . Positively regulates the assembly and activity of the mTORC1 complex . |
| <b>Background</b>                  |                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>matters needing attention</b>   | 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**