



PITRM1 Mouse mAb

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| Catalog No | YP-mAb-19382 |
| Isotype | IgG |
| Reactivity | Human,Mouse,Rat |
| Applications | WB |
| Gene Name | PITRM1 KIAA1104 MP1 |
| Protein Name | Presequence protease, mitochondrial (hPreP) (Pitriysin metalloproteinase 1) (Metalloprotease 1) (hMP1) |
| Immunogen | Synthesized peptide derived from human PITRM1. AA range:675-775 |
| Specificity | This antibody detects endogenous levels of PITRM1 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 antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB 1:500-2000 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | |
| Observed Band | |
| Calculated Molecular Weight | 114kD |
| Cell Pathway | Mitochondrion . Mitochondrion matrix . |
| Tissue Specificity | Widely expressed. Expressed at higher level in muscle and heart compared to brain , pancreas , liver , lung and placenta. |
| Function | Metalloendopeptidase of the mitochondrial matrix that functions in peptide cleavage and degradation rather than in protein processing . Has an ATP-independent activity . Specifically cleaves peptides in the range of 5 to 65 residues . Shows a preference for cleavage after small polar residues and before basic residues , but without any positional preference . Degrades the transit peptides of mitochondrial proteins after their cleavage . Also degrades other unstructured peptides . It is also able to degrade amyloid-beta protein 40 , one of the peptides produced by APP processing , when it accumulates in mitochondrion . It is a highly efficient protease , at least toward amyloid-beta protein 40 . Cleaves that peptide at a specific position and is probably not processive , releasing digested peptides intermediates that can be further cleaved subsequently . It is also able to degrade amyloid-beta protein 42 . |



Background

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