

UBC12 (PT1625R) PT™ Rabbit mAb

CatalogNo: YM9467 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, IP, ELISA

MW

- 21kD (Calculated)
21kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:200-1:1000**WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

Basic Information

Clonality Monoclonal**Clone Number** PT1625R

Immunogen Information

Specificity Endogenous

Target Information

Gene name UBE2M UBC12

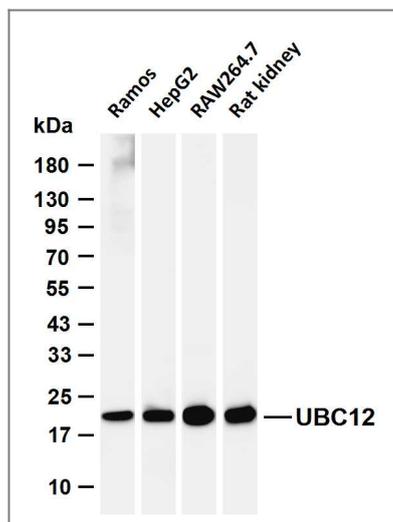
Protein Name UBC12

Organism	Gene ID	UniProt ID
Human	9040 ;	P61081 ;
Mouse	22192 ;	P61082 ;

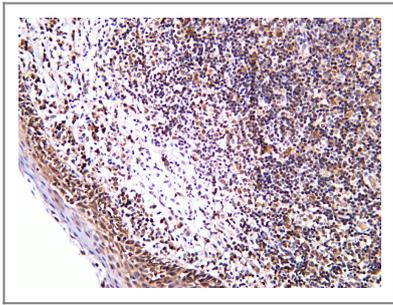
Cellular Localization cytoplasm,cytosol,extracellular exosome,

Function Catalytic activity:ATP + NEDD8 + protein lysine = AMP + diphosphate + protein N-NEDD8yllysine.,Domain:Both the N-terminal docking peptide and the catalytic core domain must bind the uba3-nae1 complex simultaneously for optimal transfer of nedd8.,Function:Accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. The specific interaction with the E3 ubiquitin ligase rbx1, but not rbx2, suggests that the rbx1-ube2m complex neddylates specific target proteins, such as cul1, cul2, cul3 and cul4. Involved in cell proliferation.,pathway:Protein modification; protein neddylation.,similarity:Belongs to the ubiquitin-conjugating enzyme family. UBC12 subfamily.,subunit:Interacts with UBA3 and RBX1.,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-UBC12 (PT1625R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Ramos Lane 2: HepG2 Lane 3: RAW264.7 Lane 4: Rat kidney Predicted band size: 21kDa Observed band size: 21kDa



Human tonsil was stained with anti-UBC12 (PT1625R) Rabbit antibody

| Contact information

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