

# UBC12 Recombinant Mouse mAb

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Catalog # AP94431

## Product Information

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| <b>Application</b>                      | WB, IHC-P, IHC-F, IF                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity</b>                       | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                      |
| <b>Host</b>                             | Mouse                                                                                                                                                                                                                                                                                                                                                  |
| <b>Clonality</b>                        | Recombinant                                                                                                                                                                                                                                                                                                                                            |
| <b>Physical State</b>                   | Liquid                                                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype</b>                          | IgG1, Kappa                                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>                           | affinity purified by Protein G                                                                                                                                                                                                                                                                                                                         |
| <b>Buffer</b>                           | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                      |
| <b>SIMILARITY</b>                       | Belongs to the ubiquitin-conjugating enzyme family. UBC12 subfamily.                                                                                                                                                                                                                                                                                   |
| <b>SUBUNIT</b>                          | Interacts with UBA3, DCUN1D1 and RBX1.                                                                                                                                                                                                                                                                                                                 |
| <b>Post-translational modifications</b> | The acetylation of Met-1 is cotranslational, and not regulatory. The N-acetylmethionine increases affinity for DCUN1D1 by about 2 orders of magnitude and is crucial for NEDD8 transfer to cullins.                                                                                                                                                    |
| <b>Important Note</b>                   | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.                                                                                                                                                                                                                              |
| <b>Background Descriptions</b>          | 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. |

## Additional Information

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| <b>Dilution</b> | WB=1:500-1000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:50-200,IF=1:100-500                                                                                                                      |
| <b>Storage</b>  | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.