



# UBC12 rabbit pAb

<b>Catalog No</b>	BYab-08417
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	UBE2M UBC12
<b>Protein Name</b>	UBC12
<b>Immunogen</b>	Synthesized peptide derived from human UBC12 AA range: 37-87
<b>Specificity</b>	This antibody detects endogenous levels of UBC12 at Human/Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1: 500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Cell Pathway</b>	cytoplasm,cytosol,extracellular exosome,
<b>Tissue Specificity</b>	
<b>Function</b>	<p>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.,</p>

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**Background**

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein is linked with a ubiquitin-like protein, NEDD8, which can be conjugated to cellular proteins, such as Cdc53/culin. [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**

