



UBC12 rabbit pAb

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

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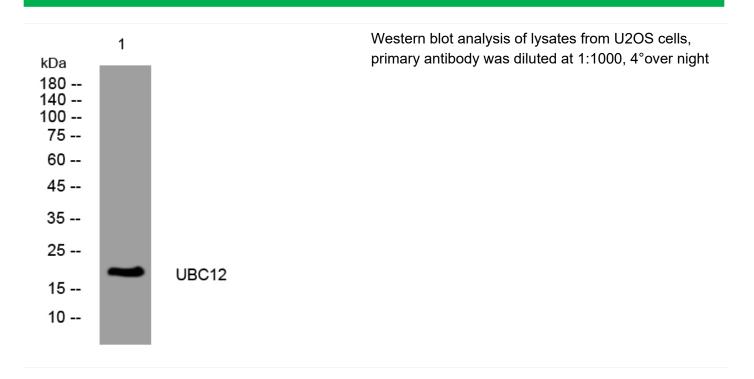


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Background	The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, 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.

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