



Rabbit Anti-UBE2M antibody

SL8382R

Product Name:	UBE2M
Chinese Name:	Ubiquitin蛋白连接酶M抗体
Alias:	hUbc12; NEDD8 carrier protein; NEDD8 conjugating enzyme Ubc12; NEDD8 protein ligase; NEDD8-conjugating enzyme Ubc12; UBC-RS2; UBC12; UBC12_HUMAN; ube2m; ubiquitin carrier protein M; Ubiquitin conjugating enzyme E2 M; Ubiquitin-conjugating enzyme E2 M; ubiquitin-protein ligase M; yeast UBC12 homolog.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,xenopuslaevis
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	21kDa
Cellular localization:	The nucleuscytoplasmicExtracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human UBE2M:1-100/183
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	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.

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.

Subunit:

Interacts with UBA3, DCUN1D1 and RBX1.

Post-translational modifications:

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.

Similarity:

Belongs to the ubiquitin-conjugating enzyme family. UBC12 subfamily.

SWISS:

P61081

Gene ID:

9040

Database links:

[Entrez Gene: 9040](#)Human

[Entrez Gene: 22192](#)Mouse

[Entrez Gene: 361509](#)Rat

[Omim: 603173](#)Human

[SwissProt: P61081](#)Human

[SwissProt: P61082](#)Mouse

[Unigene: 406068](#)Human

[Unigene: 196580](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

