10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

UBE2M Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP2169b

Specification

UBE2M Antibody (Center) Blocking Peptide - Product Information

Primary Accession	P61081
Other Accession	NP_003960

UBE2M Antibody (Center) Blocking Peptide - Additional Information

Gene ID 9040

Other Names
NEDD8-conjugating enzyme Ubc12, 632-, NEDD8 carrier protein, NEDD8 protein ligase, Ubiquitin-conjugating enzyme E2 M, UBE2M, UBC12

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2169b was selected from the Center region of human UBE2M . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

UBE2M Antibody (Center) Blocking Peptide - Protein Information

Name UBE2M

Synonyms UBC12

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.

UBE2M Antibody (Center) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

UBE2M Antibody (Center) Blocking Peptide - Images

UBE2M Antibody (Center) Blocking Peptide - 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. UBE2M is 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.

UBE2M Antibody (Center) Blocking Peptide - References

Gong, L., et al., J. Biol. Chem. 274(17):12036-12042 (1999).Osaka, F., et al., Genes Dev. 12(15):2263-2268 (1998).