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UBE2G1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP2121b

Specification

UBE2G1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession	P62253
Other Accession	NP_003333

UBE2G1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 7326

Other Names
Ubiquitin-conjugating enzyme E2 G1, E217K, UBC7, Ubiquitin carrier protein G1, Ubiquitin-protein ligase G1, Ubiquitin-conjugating enzyme E2 G1, N-terminally processed, UBE2G1, UBE2G

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2121b was selected from the C-term region of human UBE2G1 . 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.

UBE2G1 Antibody (C-term) Blocking Peptide - Protein Information

Name UBE2G1

Synonyms UBE2G

Function
Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-48'-, as well as 'Lys-63'-linked polyubiquitination. May be involved in degradation of muscle-specific proteins. Mediates polyubiquitination of CYP3A4.

Tissue Location
Widely expressed, mainly in skeletal muscle.

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UBE2G1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

UBE2G1 Antibody (C-term) Blocking Peptide - Images

UBE2G1 Antibody (C-term) 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. UBE2G1 is a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein shares 98-100% sequence identity with the zebrafish, frog, rat and mouse counterparts, which indicates that this enzyme is highly conserved in eukaryotes.

UBE2G1 Antibody (C-term) Blocking Peptide - References

Watanabe, T.K., et al., Cytogenet. Cell Genet. 74 (1-2), 146-148 (1996).