

UBE2G2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2123a**Specification**

UBE2G2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P60604](#)
Other Accession [NP_003334](#)

UBE2G2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 7327

Other Names

Ubiquitin-conjugating enzyme E2 G2, Ubiquitin carrier protein G2, Ubiquitin-protein ligase G2, UBE2G2

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2123a](/product/products/AP2123a) was selected from the N-term region of human UBE2G2. 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.

UBE2G2 Antibody (N-term) Blocking Peptide - Protein Information

Name UBE2G2 ([HGNC:12483](#))

Function

Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins (PubMed:[20061386](http://www.uniprot.org/citations/20061386)). In vitro catalyzes 'Lys-48'-linked polyubiquitination (PubMed:[20061386](http://www.uniprot.org/citations/20061386)). Involved in endoplasmic reticulum-associated degradation (ERAD) (PubMed:[22607976](http://www.uniprot.org/citations/22607976)). Required for sterol-induced ubiquitination of 3-hydroxy-3-methylglutaryl coenzyme A reductase and its subsequent proteasomal degradation (PubMed:[23223569](http://www.uniprot.org/citations/23223569)).

Cellular Location

Endoplasmic reticulum. Lipid droplet

UBE2G2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

UBE2G2 Antibody (N-term) Blocking Peptide - Images**UBE2G2 Antibody (N-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. UBE2G2 is a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein shares 100% sequence identity with the mouse counterpart. This gene is ubiquitously expressed, with high expression seen in adult muscle.

UBE2G2 Antibody (N-term) Blocking Peptide - References

Webster, J.M., et al., J. Biol. Chem. 278(40):38238-38246 (2003). Katsanis, N., et al., Genomics 51(1):128-131 (1998). Rose, S.A., et al., Cytogenet. Cell Genet. 83 (1-2), 98-99 (1998).