

**UBE2J1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14379a****Specification**

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**UBE2J1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q9Y385](#)**UBE2J1 Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 51465

**Other Names**

Ubiquitin-conjugating enzyme E2 J1, Non-canonical ubiquitin-conjugating enzyme 1, NCUBE-1, Yeast ubiquitin-conjugating enzyme UBC6 homolog E, HsUBC6e, UBE2J1, NCUBE1

**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.

**UBE2J1 Antibody (N-term) Blocking Peptide - Protein Information**Name UBE2J1 ([HGNC:17598](#))

Synonyms NCUBE1

**Function**

Catalyzes the covalent attachment of ubiquitin to other proteins. Functions in the selective degradation of misfolded membrane proteins from the endoplasmic reticulum (ERAD) and is essential for cells to recover from ER stress (PubMed:<a href="http://www.uniprot.org/citations/28321712" target="\_blank">28321712</a>). Plays a role in MAPKAPK2-dependent translational control of TNF-alpha synthesis (PubMed:<a href="http://www.uniprot.org/citations/24020373" target="\_blank">24020373</a>). Acts also as a platform for perinuclear positioning of the endosomal system by mediating ubiquitination of SQSTM1 through interaction with the E3 ubiquitin-protein ligase RNF26 (PubMed:<a href="http://www.uniprot.org/citations/33472082" target="\_blank">33472082</a>). Plays a role in male fecundity through the interaction with the E3 ubiquitin-protein ligase RNF133 (PubMed:<a href="http://www.uniprot.org/citations/35831855" target="\_blank">35831855</a>).

**Cellular Location**

Endoplasmic reticulum membrane; Single-pass type IV membrane protein

**Tissue Location**

Expressed in testes..

**UBE2J1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**UBE2J1 Antibody (N-term) Blocking Peptide - Images****UBE2J1 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. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. This enzyme is located in the membrane of the endoplasmic reticulum (ER) and may contribute to quality control ER-associated degradation by the ubiquitin-proteasome system.

**UBE2J1 Antibody (N-term) Blocking Peptide - References**

Pattaro, C., et al. BMC Med. Genet. 11, 41 (2010) :Olsen, J.V., et al. Cell 127(3):635-648(2006) Oh, R.S., et al. J. Biol. Chem. 281(30):21480-21490(2006) Wu, C.J., et al. EMBO J. 24(10):1886-1898(2005) Mungall, A.J., et al. Nature 425(6960):805-811(2003)