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

Specification

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:28321712). Plays a role in MAPKAPK2-dependent translational control of TNF-alpha synthesis (PubMed:24020373). 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:33472082). Plays a role in male fecundity through the interaction with the E3 ubiquitin-protein ligase RNF133 (PubMed:35831855).

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 animportant cellular mechanism for targeting abnormal or short-livedproteins for degradation. Ubiquitination involves at least threeclasses of enzymes: ubiquitin-activating enzymes, or E1s,ubiquitin-conjugating enzymes, or E2s, and ubiquitin-proteinligases, or E3s. This gene encodes a member of the E2ubiquitin-conjugating enzyme family. This enzyme is located in themembrane of the endoplasmic reticulum (ER) and may contribute toquality control ER-associated degradation by theubiquitin-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)