

UFM1 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5567b**Specification**

UFM1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [P61960](#)
Other Accession [NP_057701.1](#)

UFM1 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 51569

Other Names

Ubiquitin-fold modifier 1, UFM1, C13orf20

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.

UFM1 Antibody (C-term) Blocking peptide - Protein Information

Name UFM1 {ECO:0000303|PubMed:15071506, ECO:0000312|HGNC:HGNC:20597}

Function

Ubiquitin-like modifier which can be covalently attached via an isopeptide bond to lysine residues of substrate proteins as a monomer or a lysine-linked polymer (PubMed:15071506, PubMed:20018847, PubMed:29868776, PubMed:27653677). The so-called ufmylation, requires the UFM1-activating E1 enzyme UBA5, the UFM1-conjugating E2 enzyme UFC1, and the UFM1-ligase E3 enzyme UFL1 (PubMed:15071506, PubMed:20018847, PubMed:29868776, PubMed:27653677). Ufmylation is involved in reticulophagy (also called ER-phagy) induced in response to endoplasmic reticulum stress (PubMed:32160526). Ufmylation of TRIP4 regulates nuclear receptors-mediated transcription (PubMed:25219498).

Cellular Location

Nucleus. Cytoplasm

UFM1 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

UFM1 Antibody (C-term) Blocking peptide - Images**UFM1 Antibody (C-term) Blocking peptide - Background**

UFM1 is a ubiquitin-like protein that is conjugated to target proteins by E1-like activating enzyme UBA5 (UBE1DC1; MIM610552) and E2-like conjugating enzyme UFC1 (MIM 610554) in a manner analogous to ubiquitylation (see UBE2M; MIM 603173).

UFM1 Antibody (C-term) Blocking peptide - References

Tatsumi, K., et al. J. Biol. Chem. 285(8):5417-5427(2010) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) ;Sasakawa, H., et al. Biochem. Biophys. Res. Commun. 343(1):21-26(2006) Komatsu, M., et al. EMBO J. 23(9):1977-1986(2004) Dunham, A., et al. Nature 428(6982):522-528(2004)