

Ufc1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP2187b**Specification**

Ufc1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y3C8](#)**Ufc1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 51506**Other Names**

Ubiquitin-fold modifier-conjugating enzyme 1, Ufm1-conjugating enzyme 1, UFC1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2187b](/product/products/AP2187b) was selected from the C-term region of human Ufc1. 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.

Ufc1 Antibody (C-term) Blocking Peptide - Protein Information**Name** UFC1 {ECO:0000303|PubMed:15071506, ECO:0000312|HGNC:HGNC:26941}**Function**

E2-like enzyme which specifically catalyzes the second step in ufmylation (PubMed: [15071506](http://www.uniprot.org/citations/15071506), PubMed: [29868776](http://www.uniprot.org/citations/29868776), PubMed: [30626644](http://www.uniprot.org/citations/30626644), PubMed: [34588452](http://www.uniprot.org/citations/34588452), PubMed: [35394863](http://www.uniprot.org/citations/35394863), PubMed: [36121123](http://www.uniprot.org/citations/36121123), PubMed: [38383789](http://www.uniprot.org/citations/38383789)). Accepts the ubiquitin-like modifier UFM1 from the E1 enzyme UBA5 and forms an intermediate with UFM1 via a thioester linkage (PubMed: [15071506](http://www.uniprot.org/citations/15071506), PubMed: [29868776](http://www.uniprot.org/citations/29868776), PubMed: [34588452](http://www.uniprot.org/citations/34588452)).

target="_blank">34588452, PubMed:38383789). Ufmylation is involved in various processes, such as ribosome recycling, response to DNA damage, interferon response or reticulophagy (also called ER-phagy) (PubMed:27351204, PubMed:32160526, PubMed:35394863, PubMed:37036982, PubMed:38383789).

Ufc1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Ufc1 Antibody (C-term) Blocking Peptide - Images

Ufc1 Antibody (C-term) Blocking Peptide - Background

Various ubiquitin-like (UBL) post-translational modifiers contribute critically to the protein degradation pathway . These UBLs are covalently linked to most target proteins through an enzymatic cascade analogous to ubiquitylation, consisting of E1 (activating), E2 (conjugating), and E3 (ligating) enzymes. Ufc1 Belongs to the ubiquitin-conjugating enzyme family, and is an E2-like enzyme which forms an intermediate with UFM1, a novel ubiquitin-fold modifier, via thioester linkage.

Ufc1 Antibody (C-term) Blocking Peptide - References

Komatsu, M., et al., EMBO J. 23(9):1977-1986 (2004).