

FBXO32 Blocking Peptide (N-Term)

Synthetic peptide

Catalog # BP21940a

Specification

FBXO32 Blocking Peptide (N-Term) - Product Information

Primary Accession

[O969P5](#)

Other Accession

[O2KHT6](#), [O9CPU7](#), [O1A730](#), [O91Z62](#)**FBXO32 Blocking Peptide (N-Term) - Additional Information****Gene ID** 114907**Other Names**

F-box only protein 32, Atrogin-1, Muscle atrophy F-box protein, MAFbx, FBXO32

Target/Specificity

The synthetic peptide sequence is selected from aa 17-29 of HUMAN FBXO32

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.

FBXO32 Blocking Peptide (N-Term) - Protein Information**Name** FBXO32**Function**

Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Probably recognizes and binds to phosphorylated target proteins during skeletal muscle atrophy. Recognizes TERF1. Negatively regulates macrophage efferocytosis by promoting the ubiquitination of the transcription factor KLF4, suppressing the receptor tyrosine kinase MERTK transcription (By similarity). Regulates LPS-induced apoptosis and mitochondrial dysfunction through ANXA1 ubiquitination and degradation (By similarity). Mediates cyclin D1 protein stabilization via 'Lys-27'-linked ubiquitination (PubMed:40307251).

Cellular Location

Cytoplasm. Nucleus. Note=Shuttles between cytoplasm and the nucleus

Tissue Location

Specifically expressed in cardiac and skeletal muscle

FBX032 Blocking Peptide (N-Term) - Protocols

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

- [Blocking Peptides](#)

FBX032 Blocking Peptide (N-Term) - Images

FBX032 Blocking Peptide (N-Term) - Background

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FBX032 Blocking Peptide (N-Term) - References

Bodine S.C., et al. Science 294:1704-1708(2001).
Sivertsen E.A., et al. Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.
Pescatori M., et al. Submitted (NOV-2006) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Nusbaum C., et al. Nature 439:331-335(2006).