

FBX09 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP5562b**Specification**

FBX09 Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O9UK97](#)
Other Accession [NP_036479.1](#)

FBX09 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 26268

Other Names

F-box only protein 9, Cross-immune reaction antigen 1, Renal carcinoma antigen NY-REN-57, FBX09, FBX9, VCIA1

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.

FBX09 Antibody (C-term) Blocking peptide - Protein Information

Name FBX09

Synonyms FBX9, VCIA1

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 and plays a role in several biological processes such as cell cycle, cell proliferation, or maintenance of chromosome stability (PubMed:34480022, PubMed:23263282). Ubiquitinates mTORC1-bound TTI1 and TELO2 when they are phosphorylated by CK2 following growth factor deprivation, leading to their degradation. In contrast, does not mediate ubiquitination of TTI1 and TELO2 when they are part of the mTORC2 complex. As a consequence, mTORC1 is inactivated to restrain cell growth and protein translation, while mTORC2 is the activated due to the relief of feedback inhibition by mTORC1 (PubMed:23263282). Plays a role in maintaining epithelial cell survival by regulating the turn- over of chromatin modulator PRMT4 through ubiquitination and degradation by the proteasomal pathway (PubMed:34480022).

target="_blank">34480022). Regulates also PPARgamma stability by facilitating PPARgamma/PPARG ubiquitination and thereby plays a role in adipocyte differentiation (By similarity).

Cellular Location

Cytoplasm.

FBX09 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

FBX09 Antibody (C-term) Blocking peptide - Images**FBX09 Antibody (C-term) Blocking peptide - Background**

This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class. Alternative splicing of this gene generates at least 3 transcript variants diverging at the 5' terminus.

FBX09 Antibody (C-term) Blocking peptide - References

Jin, J., et al. Genes Dev. 18(21):2573-2580(2004) Mungall, A.J., et al. Nature 425(6960):805-811(2003) Scanlan, M.J., et al. Int. J. Cancer 83(4):456-464(1999) Winston, J.T., et al. Curr. Biol. 9(20):1180-1182(1999) Cenciarelli, C., et al. Curr. Biol. 9(20):1177-1179(1999)