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FBXL7 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP9878a

Specification

FBXL7 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9UJT9

FBXL7 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 23194

Other Names
F-box/LRR-repeat protein 7, F-box and leucine-rich repeat protein 7, F-box protein FBL6/FBL7, FBXL7, FBL6, FBL7, KIAA0840

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.

FBXL7 Antibody (N-term) Blocking Peptide - Protein Information

Name FBXL7

Synonyms FBL6, FBL7, KIAA0840

Function
Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex (PubMed:25778398). During mitosis, it mediates the ubiquitination and subsequent proteasomal degradation of AURKA, causing mitotic arrest (By similarity). It also regulates mitochondrial function by mediating the ubiquitination and proteasomal degradation of the apoptosis inhibitor BIRC5 (PubMed:25778398, PubMed:28218735).

Cellular Location
Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250|UniProtKB:Q5BJ29}. Note=Localizes to the centrosome during spindle formation {ECO:0000250|UniProtKB:Q5BJ29}

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FBXL7 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

FBXL7 Antibody (N-term) Blocking Peptide - Images

FBXL7 Antibody (N-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 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 Fbls class and, in addition to an F-box, contains several tandem leucine-rich repeats.

FBXL7 Antibody (N-term) Blocking Peptide - References

Venables, J.P., et al. Hum. Mol. Genet. 14(16):2289-2303(2005)Watanabe, N., et al. Proc. Natl. Acad. Sci. U.S.A. 101(13):4419-4424(2004)Ilyin, G.P., et al. Genomics 67(1):40-47(2000)