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FBXL19 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP18447b

Specification

FBXL19 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q6PCT2

FBXL19 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 54620

Other Names
F-box/LRR-repeat protein 19, F-box and leucine-rich repeat protein 19, FBXL19, FBL19

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.

FBXL19 Antibody (C-term) Blocking Peptide - Protein Information

Name FBXL19

Synonyms FBL19

Function
Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex that plays a role in different processes including cell migration, cell proliferation or cytoskeletal reorganization (PubMed:24684802, PubMed:29522376). Mediates RHOA ubiquitination and degradation in a ERK2-dependent manner (PubMed:23871831). Induces RAC1 and RAC3 degradation by the proteasome system and thereby regulates TGFB1-induced E-cadherin down-regulation and cell migration (PubMed:24684802, PubMed:23512198). Mediates also ubiquitination and degradation of IL-33-induced receptor IL1RL1 and subsequently blocks IL-33-mediated apoptosis (By similarity). Within the nucleus, binds to DNA containing unmethylated cytidine-phosphate- guanosine (CpG) dinucleotides (PubMed:29276034). Recruits CDK-mediator to chromatin and targets CDK8 to promoters of silent developmental genes leading to induction of these genes during cell differentiation. In addition, plays a critical role in the

recruitment of RNF20 to histone H2B leading to H2B mono-ubiquitination (By similarity).

Cellular Location
Cytoplasm. Nucleus

FBXL19 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

FBXL19 Antibody (C-term) Blocking Peptide - Images

FBXL19 Antibody (C-term) Blocking Peptide - Background

Members of the F-box protein family, such as FBXL19, arecharacterized by an approximately 40-amino acid F-box motif. SCFcomplexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM603134), and F-box proteins, act as protein-ubiquitin ligases.F-box proteins interact with SKP1 through the F box, and theyinteract with ubiquitination targets through other proteininteraction domains (Jin et al., 2004 [PubMed 15520277]).[suppliedby OMIM].

FBXL19 Antibody (C-term) Blocking Peptide - References

Martin, J., et al. Nature 432(7020):988-994(2004)Katoh, M., et al. Int. J. Mol. Med. 14(6):1109-1114(2004)Jin, J., et al. Genes Dev. 18(21):2573-2580(2004)