

**FBXL19 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18447b****Specification**

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**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](http://www.uniprot.org/citations/24684802), PubMed: [29522376](http://www.uniprot.org/citations/29522376)). Mediates RHOA ubiquitination and degradation in a ERK2-dependent manner (PubMed: [23871831](http://www.uniprot.org/citations/23871831)). Induces RAC1 and RAC3 degradation by the proteasome system and thereby regulates TGFB1-induced E-cadherin down-regulation and cell migration (PubMed: [24684802](http://www.uniprot.org/citations/24684802), PubMed: [23512198](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, 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 they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]). [supplied by 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)