

**FBXL12 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17921b****Specification**

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**FBXL12 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [Q9NXK8](#)**FBXL12 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 54850**Other Names**

F-box/LRR-repeat protein 12, F-box and leucine-rich repeat protein 12, F-box protein FBL12, FBXL12, FBL12

**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.

**FBXL12 Antibody (C-term) Blocking Peptide - Protein Information****Name** FBXL12**Synonyms** FBL12**Function**

Substrate-recognition component of the SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex. Mediates the polyubiquitination and proteasomal degradation of CAMK1 leading to disruption of cyclin D1/CDK4 complex assembly which results in G1 cell cycle arrest in lung epithelia.

**FBXL12 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**FBXL12 Antibody (C-term) Blocking Peptide - Images****FBXL12 Antibody (C-term) Blocking Peptide - Background**

Members of the F-box protein family, such as FBXL12, 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].

#### **FBXL12 Antibody (C-term) Blocking Peptide - References**

Lamesch, P., et al. Genomics 89(3):307-315(2007) Barrios-Rodiles, M., et al. Science 307(5715):1621-1625(2005) Jin, J., et al. Genes Dev. 18(21):2573-2580(2004) Winston, J.T., et al. Curr. Biol. 9(20):1180-1182(1999)