

**FBXO2 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10212b****Specification**

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**FBXO2 Antibody (C-term) Blocking peptide - Product Information**

Primary Accession [O9UK22](#)  
Other Accession [NP\\_036300.2](#)

**FBXO2 Antibody (C-term) Blocking peptide - Additional Information**

**Gene ID** 26232

**Other Names**

F-box only protein 2, FBXO2, FBX2

**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.

**FBXO2 Antibody (C-term) Blocking peptide - Protein Information**

**Name** FBXO2

**Synonyms** FBX2

**Function**

Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex that mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Involved in the endoplasmic reticulum-associated degradation pathway (ERAD) for misfolded luminal proteins by recognizing and binding sugar chains on unfolded glycoproteins that are retrotranslocated into the cytosol and promoting their ubiquitination and subsequent degradation. Prevents formation of cytosolic aggregates of unfolded glycoproteins that have been retrotranslocated into the cytosol. Able to recognize and bind denatured glycoproteins, preferentially those of the high-mannose type (By similarity).

**Cellular Location**

Cytoplasm. Microsome membrane; Peripheral membrane protein; Cytoplasmic side

**FBXO2 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **FBX02 Antibody (C-term) Blocking peptide - Images**

#### **FBX02 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. This protein is highly similar to the rat NFB42 (neural F Box 42 kDa) protein which is enriched in the nervous system and may play a role in maintaining neurons in a postmitotic state.

#### **FBX02 Antibody (C-term) Blocking peptide - References**

Eom, C.Y., et al. Proc. Natl. Acad. Sci. U.S.A. 100(17):9803-9807(2003) Ilyin, G.P., et al. Gene 296 (1-2), 11-20 (2002) Yoshida, Y., et al. Nature 418(6896):438-442(2002) Winston, J.T., et al. Curr. Biol. 9(20):1180-1182(1999) Cenciarelli, C., et al. Curr. Biol. 9(20):1177-1179(1999)