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FBXO4 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP9295c

Specification

FBXO4 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9UKT5

FBXO4 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 26272

Other Names
F-box only protein 4, FBXO4, FBX4

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP9295c was selected from the Center region of human FBXO4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

FBXO4 Antibody (Center) Blocking Peptide - Protein Information

Name FBXO4

Synonyms FBX4

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 (PubMed:10531035, PubMed:18598945, PubMed:20181953, PubMed:29142209). Promotes ubiquitination of cyclin-D1 (CCND1) and its subsequent proteasomal degradation (PubMed:18598945). However, it does not act as a major regulator of CCND1 stability during the G1/S transition (By similarity).

Recognizes TERF1 and promotes its ubiquitination together with UBE2D1 (PubMed:16275645, PubMed:20159592). Promotes ubiquitination of FXR1 following phosphorylation of FXR1 by GSK3B, leading to FXR1 degradation by the proteasome (PubMed:29142209).

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:Q8CHQ0}.

FBXO4 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

FBXO4 Antibody (Center) Blocking Peptide - Images

FBXO4 Antibody (Center) Blocking Peptide - Background

FBXO4 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 belongs to the Fbxs class.

FBXO4 Antibody (Center) Blocking Peptide - References

Zeng,Z., et.al, Dev. Cell 18 (2), 214-225 (2010)Barbash,O., et.al, Cancer Cell 14 (1), 68-78 (2008)Sugiyama,N., et.al, Mol. Cell Proteomics 6 (6), 1103-1109 (2007)