

FBXW8 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP10719c**Specification**

FBXW8 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q8N3Y1](#)**FBXW8 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 26259**Other Names**

F-box/WD repeat-containing protein 8, F-box and WD-40 domain-containing protein 8, F-box only protein 29, FBXW8, FBW6, FBW8, FBX29, FBXO29, FBXW6

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.

FBXW8 Antibody (Center) Blocking peptide - Protein Information**Name** FBXW8**Synonyms** FBW6, FBW8, FBX29, FBXO29, FBXW6**Function**

Substrate-recognition component of a Cul7-RING ubiquitin- protein ligase complex, which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. The Cul7-RING(FBXW8) complex mediates ubiquitination and consequent degradation of GORASP1, acting as a component of the ubiquitin ligase pathway that regulates Golgi morphogenesis and dendrite patterning in brain (PubMed:21572988). Mediates ubiquitination and degradation of IRS1 in a mTOR-dependent manner: the Cul7-RING(FBXW8) complex recognizes and binds IRS1 previously phosphorylated by S6 kinase (RPS6KB1 or RPS6KB2) (PubMed:18498745). The Cul7-RING(FBXW8) complex also mediates ubiquitination of MAP4K1/HPK1: recognizes and binds autophosphorylated MAP4K1/HPK1, leading to its degradation, thereby affecting cell proliferation and differentiation (PubMed:24362026). Associated component of the 3M complex, suggesting that it mediates some of 3M complex functions (PubMed:24793695).

Cellular Location

Cytoplasm, perinuclear region. Golgi apparatus. Note=Colocalizes with CUL7 at the Golgi apparatus in neurons. {ECO:0000250|UniProtKB:P0DL28}

FBXW8 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

FBXW8 Antibody (Center) Blocking peptide - Images**FBXW8 Antibody (Center) Blocking peptide - Background**

This gene encodes a member of the F-box protein family, members of which are characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into three 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 contains a WD-40 domain, in addition to an F-box motif, so it belongs to the Fbw class. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene.

FBXW8 Antibody (Center) Blocking peptide - References

Tsutsumi, T., et al. Mol. Cell. Biol. 28(2):743-751(2008) Koch, H.B., et al. Cell Cycle 6(2):205-217(2007) Okabe, H., et al. PLoS ONE 1, E128 (2006) :Watanabe, N., et al. Proc. Natl. Acad. Sci. U.S.A. 101(13):4419-4424(2004) Dias, D.C., et al. Proc. Natl. Acad. Sci. U.S.A. 99(26):16601-16606(2002)