

FBXW5 Antibody(Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19495C**Specification**

FBXW5 Antibody(Center) - Product Information

Application	WB,E
Primary Accession	O969U6
Other Accession	NP_061871.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	63922
Antigen Region	324-350

FBXW5 Antibody(Center) - Additional Information**Gene ID** 54461**Other Names**

F-box/WD repeat-containing protein 5, F-box and WD-40 domain-containing protein 5, FBXW5, FBW5

Target/Specificity

This FBXW5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 324-350 amino acids from the Central region of human FBXW5.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FBXW5 Antibody(Center) is for research use only and not for use in diagnostic or therapeutic procedures.

FBXW5 Antibody(Center) - Protein Information**Name** FBXW5**Synonyms** FBW5

Function Substrate recognition component of both SCF (SKP1-CUL1-F-box protein) and DCX (DDB1-CUL4-X-box) E3 ubiquitin-protein ligase complexes. Substrate recognition component of the SCF(FBXW5) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of SASS6 during S phase, leading to prevent centriole reduplication. The SCF(FBXW5) complex also mediates ubiquitination and degradation of actin-regulator EPS8 during G2 phase, leading to the transient degradation of EPS8 and subsequent cell shape changes required to allow mitotic progression. Substrate-specific adapter of the DCX(FBXW5) E3 ubiquitin-protein ligase complex which mediates the polyubiquitination and subsequent degradation of TSC2. May also act as a negative regulator of MAP3K7/TAK1 signaling in the interleukin-1B (IL1B) signaling pathway.

Cellular Location

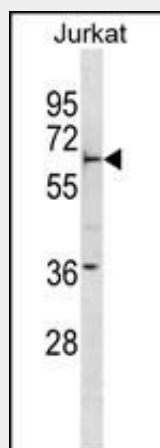
Cytoplasm.

FBXW5 Antibody(Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FBXW5 Antibody(Center) - Images



FBXW5 Antibody (Center) (Cat. #AP19495c) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the FBXW5 antibody detected the FBXW5 protein (arrow).

FBXW5 Antibody(Center) - 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 WD-40 domains, 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, however, they were found to be nonsense-mediated mRNA decay (NMD) candidates, hence not represented.

FBXW5 Antibody(Center) - References

Davila, S., et al. Genes Immun. 11(3):232-238(2010)
Minoda, Y., et al. Biochem. Biophys. Res. Commun. 381(3):412-417(2009)
Hu, J., et al. Genes Dev. 22(7):866-871(2008)
Wan, D., et al. Proc. Natl. Acad. Sci. U.S.A. 101(44):15724-15729(2004)
Humphray, S.J., et al. Nature 429(6990):369-374(2004)