

FBXW11 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11217C**Specification**

FBXW11 Antibody (Center) - Product Information

Application	FC, WB, IHC-P,E
Primary Accession	O9UKB1
Other Accession	O5SRY7 , NP_036432
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	62091
Antigen Region	168-196

FBXW11 Antibody (Center) - Additional Information**Gene ID** 23291**Other Names**

F-box/WD repeat-containing protein 11, F-box and WD repeats protein beta-TrCP2, F-box/WD repeat-containing protein 1B, Homologous to Slimb protein, HOS, FBXW11, BTRCP2, FBW1B, FBXW1B, KIAA0696

Target/Specificity

This FBXW11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 168-196 amino acids from the Central region of human FBXW11.

Dilution

FC~~1:10~50

WB~~1:1000

IHC-P~~1:50~100

E~~Use at an assay dependent concentration.

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

FBXW11 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

FBXW11 Antibody (Center) - Protein Information

Name FBXW11 {ECO:0000303|PubMed:26837067, ECO:0000312|HGNC:HGNC:13607}

Function Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (PubMed:[10437795](#), PubMed:[10648623](#), PubMed:[11158290](#), PubMed:[19966869](#), PubMed:[20347421](#), PubMed:[22017875](#), PubMed:[22017876](#), PubMed:[36608670](#)). Probably recognizes and binds to phosphorylated target proteins: the interaction with substrates requires the phosphorylation of the two serine residues in the substrates' destruction motif D-S-G-X(2,3,4)-S (PubMed:[10437795](#), PubMed:[10648623](#), PubMed:[19966869](#), PubMed:[20347421](#), PubMed:[22017875](#), PubMed:[22017876](#), PubMed:[36608670](#)). SCF(FBXW11) mediates the ubiquitination of phosphorylated CTNNB1 and participates in Wnt signaling regulation (PubMed:[10321728](#)). SCF(FBXW11) plays a key role in NF-kappa-B activation by mediating ubiquitination of phosphorylated NFKBIA, leading to its degradation by the proteasome, thereby allowing the associated NF-kappa-B complex to translocate into the nucleus and to activate transcription (PubMed:[10321728](#), PubMed:[10437795](#), PubMed:[10644755](#), PubMed:[20347421](#)). The SCF(FBXW11) complex also regulates NF-kappa-B by mediating ubiquitination of phosphorylated NFKB1: specifically ubiquitinates the p105 form of NFKB1, leading to its degradation (PubMed:[11158290](#)). SCF(FBXW11) mediates the ubiquitination of IFNAR1 (PubMed:[14532120](#), PubMed:[15337770](#)). SCF(FBXW11) mediates the ubiquitination of CEP68; this is required for centriole separation during mitosis (PubMed:[25503564](#)). Involved in the oxidative stress-induced a ubiquitin-mediated decrease in RCAN1 (PubMed:[18575781](#)). Mediates the degradation of CDC25A induced by ionizing radiation in cells progressing through S phase and thus may function in the intra-S-phase checkpoint (PubMed:[14603323](#)). Has an essential role in the control of the clock-dependent transcription via degradation of phosphorylated PER1 and phosphorylated PER2 (PubMed:[15917222](#)). SCF(FBXW11) mediates the ubiquitination of CYTH1, and probably CYTH2 (PubMed:[29420262](#)). SCF(FBXW11) acts as a regulator of mTORC1 signaling pathway by catalyzing ubiquitination and subsequent proteasomal degradation of phosphorylated DEPTOR, TFE3 and MITF (PubMed:[22017875](#), PubMed:[22017876](#), PubMed:[36608670](#)).

Cellular Location

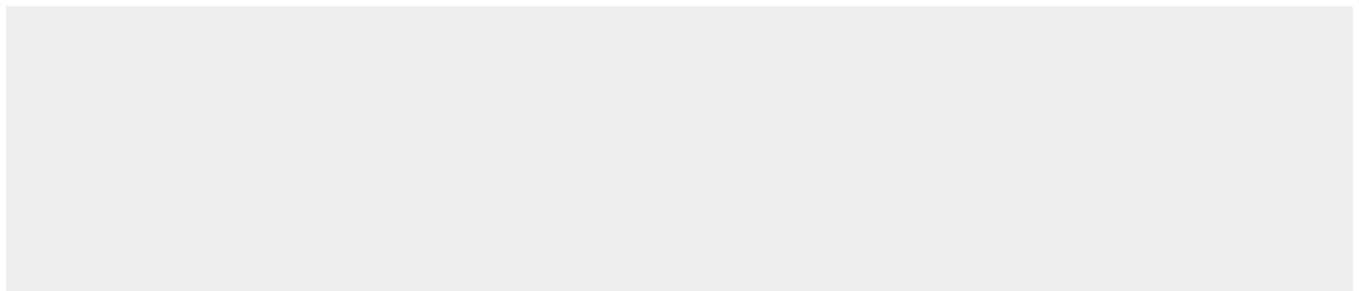
Cytoplasm {ECO:0000250|UniProtKB:Q5SR77}. Nucleus {ECO:0000250|UniProtKB:Q5SR77}

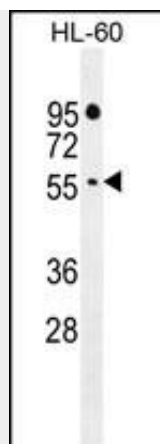
FBXW11 Antibody (Center) - Protocols

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

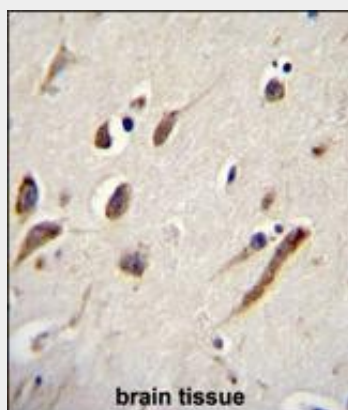
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FBXW11 Antibody (Center) - Images

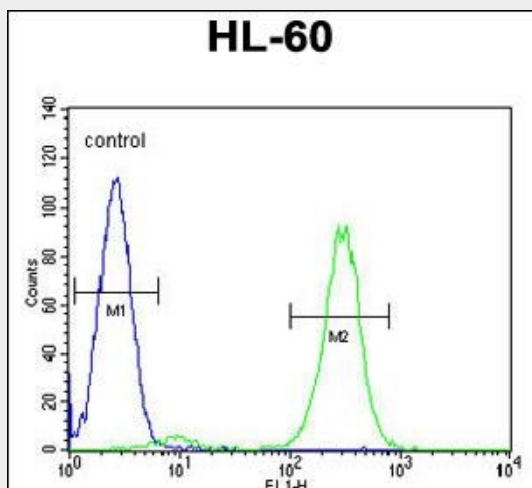




FBXW11 Antibody (Center) (Cat. #AP11217c) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the FBXW11 antibody detected the FBXW11 protein (arrow).



FBXW11 Antibody (Center) (Cat. #AP11217c) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FBXW11 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



FBXW11 Antibody (Center) (Cat. #AP11217c) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

FBXW11 Antibody (Center) - 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 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 Fbws class and, in addition to an F-box, contains multiple WD40 repeats. This gene contains at least 14 exons, and its alternative splicing generates 3 transcript variants diverging at the presence/absence of two alternate exons.

FBXW11 Antibody (Center) - References

Peschiaroli, A., et al. Oncogene 29(9):1384-1393(2010)
Lievens, S., et al. J. Proteome Res. 8(2):877-886(2009)
Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) :
Peschiaroli, A., et al. Mol. Cell 23(3):319-329(2006)
Sabile, A., et al. Mol. Cell. Biol. 26(16):5994-6004(2006)

FBXW11 Antibody (Center) - Citations

- [MicroRNA-221 Promotes Cell Proliferation and Inhibits Apoptosis in Osteosarcoma Cells by Directly Targeting FBXW11 and Regulating Wnt Signaling](#)