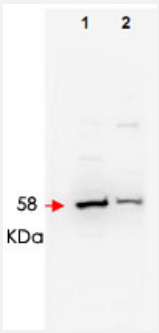
FBXW11 polyclonal antibody

Catalog # PAB10237 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot using FBXW11 polyclonal antibody (Cat # PAB10237) shows detection of mouse and human FBXW11 (arrowhead) in NIH/3T3 (Lane 1) and 293 (Lane 2) whole cell lysates, respectively.
The band appears as a 58 KDa protein, although a 62.1 KDa band is predicted.
The identity of faint higher molecular weight bands is not known.
The primary antibody was used at a 1 : 200 dilution incubated in 5% BLOTTO overnight at 4°C.
Detection occurred using HRP conjugated Goat-anti-Rabbit IgG diluted 1 : 20,000 in blocking buffer for 1 h at 4°C.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of FBXW11.
Immunogen	A synthetic peptide corresponding to N-terminus of human FBXW11.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody reacts with human betaTrCP2 protein.
Form	Liquid
Purification	This product was affinity purified from monospecific antiserum by immunoaffinity chromatography.
Recommend Usage	ELISA (1:10000-1:100000) Western Blot (1:200-1:1000) The optimal working dilution should be determined by the end user.

Storage Buffer	In 20 mM KH_2PO_4, 150 mM NaCl, pH 7.2 (0.01% sodium azide).
Storage Instruction	Store at 4°C as an undiluted liquid for several weeks. For long term storage, aliquot and store at -20° C or below. Aliquot to avoid repeated freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to imm ediate use.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

Gene Info — FBXW11

Entrez GeneID	23291
Protein Accession#	NP_387449; Q9UKB1
Gene Name	FBXW11
Gene Alias	BTRC2, BTRCP2, FBW1B, FBXW1B, Fbw11, Hos, KIAA0696
Gene Description	F-box and WD repeat domain containing 11
Omim ID	605651
Gene Ontology	Hyperlink

Gene Summary	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. [provided by RefSeq
Other Designations	F-box and WD-40 domain protein 11|F-box and WD-40 domain protein 1B|F-box protein Fbw1b|beta-transducin repeat-containing protein 2

Publication Reference

- M-phase kinases induce phospho-dependent ubiquitination of somatic Wee1 by SCFbeta-TrCP.

  Watanabe N, Arai H, Nishihara Y, Taniguchi M, Watanabe N, Hunter T, Osada H.

  PNAS 2004 Mar; 101(13):4419.

- A physical and functional map of the human TNF-alpha/NF-kappa B signal transduction pathway.

  Bouwmeester T, Bauch A, Ruffner H, Angrand PO, Bergamini G, Croughton K, Cruciat C, Eberhard D, Gagneur J, Ghidelli S, Hopf C, Huhse B, Mangano R, Michon AM, Schirle M, Schlegl J, Schwab M, Stein MA, Bauer A, Casari G, Drewes G, Gavin AC, Jackson DB, Joberty G, Neubauer G, Rick J, Kuster B, Superti-Furga G.

  Nature Cell Biology 2004 Feb; 6(2):97.

- CUL7: A DOC domain-containing cullin selectively binds Skp1.Fbx29 to form an SCF-like complex.

  Dias DC, Dolios G, Wang R, Pan ZQ.

  PNAS 2002 Dec; 99(26):16601.

Pathway

- Hedgehog signaling pathway
- Ubiquitin mediated proteolysis
- Wnt signaling pathway

Disease

- Disease Progression
- Disease Susceptibility
- HIV Infections