Best Tools for immunology Research

FBW1B rabbit pAb

Catalog No :	YT6324
Reactivity :	Human;Mouse
Applications :	WB
Target :	FBW1B
Fields :	>>Oocyte meiosis;>>Ubiquitin mediated proteolysis;>>Cellular senescence;>>Wnt signaling pathway;>>Hedgehog signaling pathway;>>Hippo signaling pathway;>>Circadian rhythm;>>Shigellosis;>>Human immunodeficiency virus 1 infection
Gene Name :	FBXW11 BTRCP2 FBW1B FBXW1B KIAA0696
Protein Name :	FBW1B
Human Gene Id :	23291
Human Swiss Prot No :	Q9UKB1
Mouse Gene Id :	103583
Mouse Swiss Prot No :	Q5SRY7
Immunogen :	Synthesized peptide derived from human FBW1B AA range: 464-514
Specificity :	This antibody detects endogenous levels of FBW1B at Human/Mouse
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1□500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

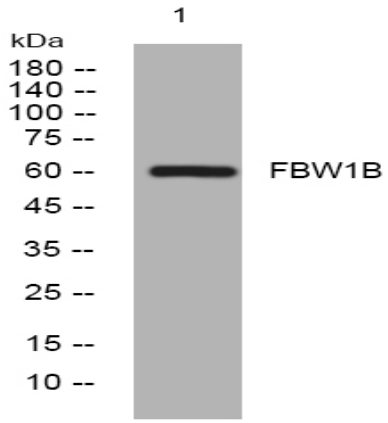
Molecularweight : 60kD

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. [provided by RefSeq, Jul 2008],

Function : 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. Probably recognizes and binds to phosphorylated target proteins. SCF(FBXW11) mediates the ubiquitination of CTNNB1 and participates in Wnt signaling. SCF(FBXW11) mediates the ubiquitination of NFKBIA, the degradation frees the associated NFKB1 to translocate into the nucleus and to activate transcription. SCF(FBXW11) mediates the ubiquitination of IFNAR1.,similarity:Contains 1 F-box domain.,similarity:Contains 7 WD repeats.,subunit:Self-associates. Component of the SCF(FBXW11) complex formed of CUL1, SKP1A, RBX1 and a FBXW11 dimer. Interacts with BTRC. Interacts with phosphorylated ubiquitination substrates CTNNB1, NFKBIA, IFNAR1; the interaction requires the phosphorylation of the two

Subcellular Location : Cytoplasm . Nucleus .

Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4°over night