

FBW1A rabbit pAb

Catalog No :	YT7372
Reactivity :	Human;Mouse
Applications :	WB
Target :	FBW1A
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 :	BTRC BTRCP FBW1A FBXW1A
Protein Name :	FBW1A
Human Gene Id :	8945
Human Swiss Prot No :	Q9Y297
Mouse Gene Id :	12234
Mouse Swiss Prot No :	Q3ULA2
Immunogen :	Synthesized peptide derived from human FBW1A AA range: 43-93
Specificity :	This antibody detects endogenous levels of FBW1A 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 : 67kD

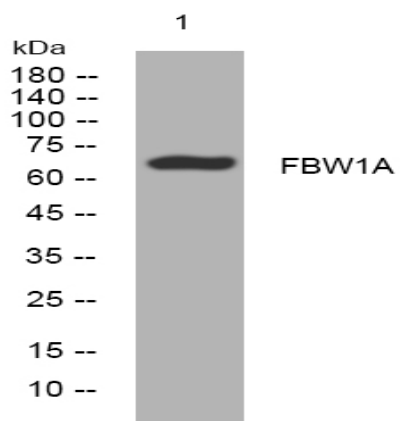
Background : This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent 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; in addition to an F-box, this protein contains multiple WD-40 repeats. The encoded protein mediates degradation of CD4 via its interaction with HIV-1 Vpu. It has also been shown to ubiquitinate phosphorylated NFKBIA (nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha), targeting it for degradation and thus activating nuclear factor kappa-B. Alternatively spliced transcript variants have been described. A related pseudogene exists in chromosome 6. [provided by RefSeq, Mar 2012],

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(BTRC) mediates the ubiquitination of CTNNB1 and participates in Wnt signaling. SCF(BTRC) mediates the ubiquitination of NFKBIA, NFKBIB and NFKBIE; the degradation frees the associated NFKB1 to translocate into the nucleus and to activate transcription. SCF(BTRC) mediates the ubiquitination of phosphorylated NFKB1/nuclear factor NF-kappa-B p105 subunit, ATF4, SMAD3, SMAD4, CDC25A, DLG1, FBXO5 and probably NFKB2. May be involved in ubiquitination and subsequent proteasomal degradation through a DBB1-CUL4 E3 ubiquitin-protein ligase.,pathway:Protein modification; protein ubiquitination.,similarity:Contains 1 F-box domain.

Subcellular Location : Cytoplasm . Nucleus .

Expression : Expressed in epididymis (at protein level).

Products Images



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