

Anti- β TrCP2 (RABBIT) Antibody - 600-401-483

Code: 600-401-483

Size: 100 μ g

Product Description: Anti- β TrCP2 (RABBIT) Antibody - 600-401-483

Concentration: 0.8 mg/mL by UV absorbance at 280 nm

PhysicalState: Liquid (sterile filtered)

Label	Unconjugated
Host	Rabbit
Gene Name	FBXW11 (BTRCP2)
Species Reactivity	human, mouse, dog, chicken, bovine, monkey
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer	None
Preservative	0.01% (w/v) Sodium Azide
Storage Condition	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Synonyms	rabbit anti-beta TrCP2 antibody, rabbit anti-BTRCP2 antibody, F-box/WD repeat-containing protein 11, beta Transducin Repeat Containing Protein 2 antibody, BTRC2 antibody, F-box and WD-40 Domain Protein 1B antibody, F-box Protein FBW1B antibody, FBW1B antibody, FBXW1B antibody, Homologous to Slimb protein, HOS, FBXW11
Application Note	This affinity purified antibody has been tested for use in ELISA and western blotting.
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, Fbbs 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.
Purity And Specificity	This product was affinity purified from monospecific antiserum by immunoaffinity chromatography. This antibody reacts with human β TrCP2 protein. A BLAST analysis was used to suggest cross-reactivity with β TrCP2 from human, mouse, dog, bovine, chimpanzee, chicken and horse based on a 100% homology with the immunizing sequence. Cross-reactivity with β TrCP2 from other sources has not been determined.
Assay Dilutions	User Optimized
ELISA	1:10,000 – 1:100,000
Western Blot	1:200 to 1:1,000
IF Microscopy	User Optimized
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to a region near the N-terminal of human β TrCP2 protein.
General Reference	Watanabe,N., Arai,H., Nishihara,Y., Taniguchi,M., Watanabe,N., Hunter,T. and Osada,H.(2004) M-phase kinases induce phospho-dependent ubiquitination of somatic Wee1 by SCFbeta-TrCP. Proc. Natl. Acad. Sci. U.S.A. 101 (13), 4419-4424.Bouwmeester,T. et al. (2004) A physical and functional map of the human TNF-alpha/NF-kappa B signal transduction pathway. Nat. Cell Biol. 6 (2), 97-105.Dias,D.C., Dolios,G., Wang,R. and Pan,Z.Q. (2002) CUL7: A DOC domain-containing cullin selectively binds Skp1.Fbx29 to form an SCF-like complex. Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16601-16606.
Related Products	

200-301-268

Anti-AKT pS473 (MOUSE) Monoclonal Antibody - 200-301-268

610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304

Related Links

UniProtKB - Q9UKB1

<http://www.uniprot.org/uniprot/Q9UKB1>

NCBI - 48928048 <http://www.ncbi.nlm.nih.gov/protein/48928048>

GenElD - 23291

Images

- 1 Western blot using Rockland's affinity purified anti- β TrCP2 antibody shows detection of mouse and human β TrCP2 (arrowhead) in NIH3T3 (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 (p/n 611-103-122) diluted 1:20,000 in blocking buffer (p/n MB-070) for 1 h at 4 °C. Western blot using Rockland's affinity purified anti- β TrCP2 antibody shows detection of mouse and human β TrCP2 (arrowhead) in NIH3T3 (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 (p/n 611-103-122) diluted 1:20,000 in blocking buffer (p/n MB-070) for 1 h at 4 °C.



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