

Datasheet for ABIN7152498

anti-BTRC antibody (AA 397-448) (HRP)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	BTRC
Binding Specificity:	AA 397-448
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BTRC antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human F-box/WD repeat-containing protein 1A protein (397-448AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	BTRC
Alternative Name:	BTRC (BTRC Products)
Background:	Background: Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent

Target Details

proteasomal degradation of target proteins. 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. Ubiquitination of NFKBIA occurs at 'Lys-21' and 'Lys-22'. SCF(BTRC) mediates the ubiquitination of CEP68, this is required for centriole separation during mitosis (PubMed:25704143, PubMed:25503564). SCF(BTRC) mediates the ubiquitination of phosphorylated NFKB1/nuclear factor NF-kappa-B p105 subunit, ATF4, CDC25A, DLG1, FBXO5, PER1, SMAD3, SMAD4, SNAI1 and probably NFKB2. Has an essential role in the control of the clock-dependent transcription via degradation of phosphorylated PER1 and PER2. May be involved in ubiquitination and subsequent proteasomal degradation through a DBB1-CUL4 E3 ubiquitin-protein ligase. Required for activation of NFKB-mediated transcription by IL1B, MAP3K14, MAP3K1, IKKBK and TNF. Required for proteolytic processing of GLI3.

Aliases: Beta transducin repeat containing E3 ubiquitin protein ligase antibody, beta TrCP1 antibody, beta-transducin repeat containing antibody, BETA-TRCP antibody, betaTrCP antibody, btrC antibody, bTrCP antibody, bTrCP1 antibody, E3RSIkappaB antibody, F box and WD repeat protein 1B antibody, F box and WD repeats protein beta TrCP antibody, F-box and WD repeats protein beta-TrCP antibody, F-box/WD repeat protein 1A antibody, F-box/WD repeat-containing protein 1A antibody, FBW1A antibody, FBW1A_HUMAN antibody, FBXW1 antibody, FBXW1A antibody, FWD1 antibody, HOS antibody, mKIAA4123 antibody, plkappaBalph-E3 receptor subunit antibody, Slimb antibody

UniProt: [Q9Y297](#)

Pathways: [Cell Division Cycle](#), [Hedgehog Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.