

Datasheet for ABIN1881122
anti-BTRC antibody (N-Term)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	BTRC
Binding Specificity:	AA 127-156, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BTRC antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This BTRC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 127-156 amino acids from the N-terminal region of human BTRC.
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	BTRC
Alternative Name:	BTRC (BTRC Products)
Background:	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein

Target Details

ligase complex which mediates the ubiquitination and subsequent 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 phosphorylated NFKB1/nuclear factor NF-kappa-B p105 subunit, ATF4, SMAD3, SMAD4, CDC25A, DLG1, FBXO5 and probably NFKB2. SCF(BTRC) mediates the ubiquitination of phosphorylated SNAI1. 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, IKBKB and TNF. Required for proteolytic processing of GLI3.

Molecular Weight:	68867
NCBI Accession:	NP_003930 , NP_378663
UniProt:	Q9Y297
Pathways:	Cell Division Cycle , Hedgehog Signaling

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

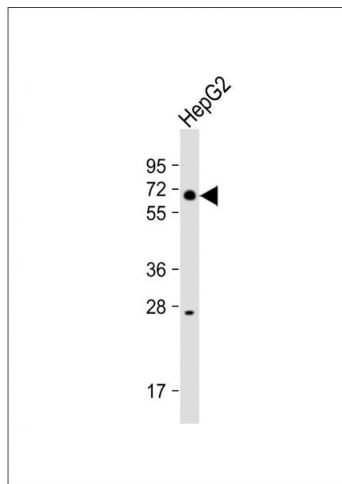
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Maeda, Inoguchi, Takei, Sawada, Sasaki, Fujii, Kobayashi, Urata, Nishiyama, Takayanagi: "
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Inhibition of chymase protects against diabetes-induced oxidative stress and renal dysfunction in hamsters." in: **American journal of physiology. Renal physiology**, Vol. 299, Issue 6, pp. F1328-38, (2010) ([PubMed](#)).



Western Blotting

Image 1. Anti-BTRC Antibody (N-term) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 69 kDa Blocking/Dilution buffer: 5 % NFDm/TBST.