Datasheet for ABIN7152495

anti-BTRC antibody (AA 397-448)

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Overview

Quantity:	100 µg
Target:	BTRC
Binding Specificity:	AA 397-448
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BTRC antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

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

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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, IKBKB 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, pIkappaBalpha-E3 receptor subunit antibody, Slimb antibody
UniProt:	Q9Y297
Pathways:	Cell Division Cycle, Hedgehog Signaling

Application Details

Application Notes:	Recommended dilution: WB:1:2000-1:10000, IHC:1:20-1:200, IF:1:50-1:200,
Restrictions:	For Research Use only

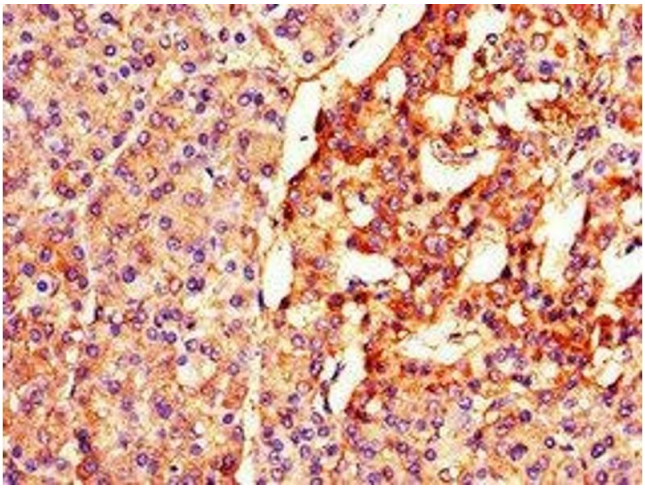
Handling

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

Handling

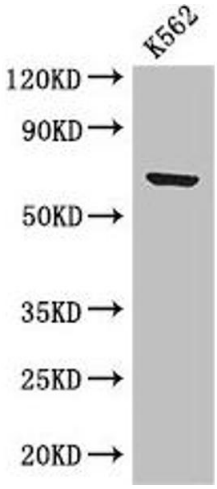
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



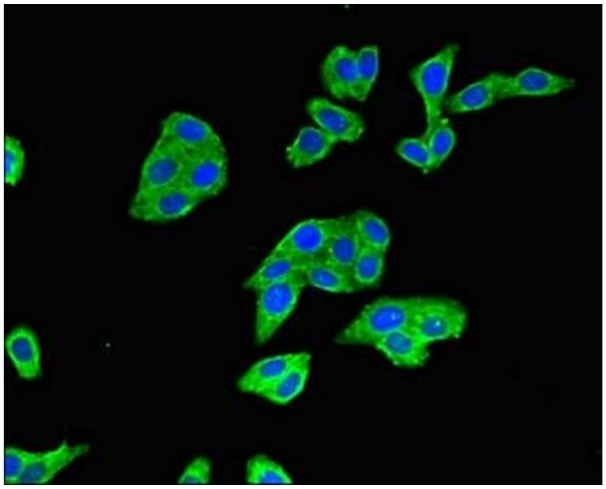
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human pancreatic tissue using ABIN7152495 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: K562 whole cell lysate All lanes: BTRC antibody at 2.8 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 69, 66 kDa Observed band size: 69 kDa



Immunofluorescence

Image 3. Immunofluorescent analysis of HepG2 cells using ABIN7152495 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

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