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Datasheet for ABIN7145198 anti-BIRC2 antibody (AA 1-300)

3 Images



Overview

Quantity:	100 μL
Target:	BIRC2
Binding Specificity:	AA 1-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BIRC2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Baculoviral IAP repeat-containing protein 2 protein (1-300AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	BIRC2
Alternative Name:	BIRC2 (BIRC2 Products)
Background:	Background: Multi-functional protein which regulates not only caspases and apoptosis, but also
	modulates inflammatory signaling and immunity, mitogenic kinase signaling, and cell

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proliferation, as well as cell invasion and metastasis. Acts as an E3 ubiquitin-protein ligase
regulating NF-kappa-B signaling and regulates both canonical and non-canonical NF-kappa-B
signaling by acting in opposite directions: acts as a positive regulator of the canonical pathway
and suppresses constitutive activation of non-canonical NF-kappa-B signaling. The target
proteins for its E3 ubiquitin-protein ligase activity include: RIPK1, RIPK2, RIPK3, RIPK4, CASP3,
CASP7, CASP8, TRAF2, DIABLO/SMAC, MAP3K14/NIK, MAP3K5/ASK1, IKBKG/NEMO, IKBKE
and MXD1/MAD1. Can also function as an E3 ubiquitin-protein ligase of the NEDD8 conjugation
pathway, targeting effector caspases for neddylation and inactivation. Acts as an important
regulator of innate immune signaling via regulation of Toll-like receptors (TLRs), Nodlike
receptors (NLRs) and RIG-I like receptors (RLRs), collectively referred to as pattern recognition
receptors (PRRs). Protects cells from spontaneous formation of the ripoptosome, a large multi-
protein complex that has the capability to kill cancer cells in a caspase-dependent and caspase-
independent manner. Suppresses ripoptosome formation by ubiquitinating RIPK1 and CASP8.
Can stimulate the transcriptional activity of E2F1. Plays a role in the modulation of the cell
cycle.
Aliases: API 1 antibody, API1 antibody, Apoptosis inhibitor 1 antibody, Baculoviral IAP repeat

containing 2 antibody, Baculoviral IAP repeat containing protein 2 antibody, Baculoviral IAP repeat-containing protein 2 antibody, BIRC 2 antibody, BIRC2 antibody, BIRC2_HUMAN antibody, C IAP1 antibody, C-IAP1 antibody, Cellular inhibitor of apoptosis 1 antibody, cellular inhibitor of apoptosis protein 1 antibody, cIAP 1 antibody, cIAP1 antibody, HIAP 2 antibody, HIAP 2 antibody, IAP 2 antibody, IAP2 antibody, IAP2 antibody, IAP2 antibody, IAP3 antibody, IAP 2 antibody, IAP 3 antibody, IAP4 a

UniProt:	Q13490
Pathways:	Apoptosis, Caspase Cascade in Apoptosis, Activation of Innate immune Response, Toll-Like Receptors Cascades

Application Details

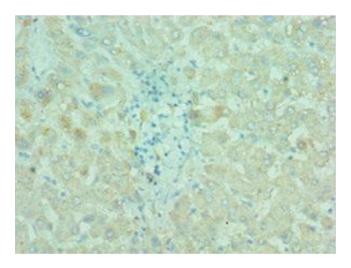
Application Notes:	Recommended dilution: WB:1:200-1:1000, IHC:1:20-1:200,
Restrictions:	For Research Use only

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Handling

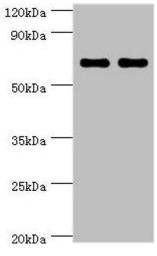
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

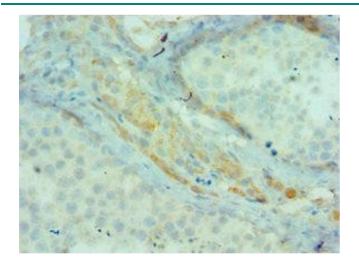
Image 1. Immunohistochemistry of paraffin-embedded human liver tissue using ABIN7145198 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: BIRC2 antibody at 5 µg/mL Lane 1: HepG2 whole cell lysate Lane 2: K562 whole cell lysate Secondary Goat polyclonal to rabbit lgG at 1/10000 dilution Predicted band size: 70, 65 kDa Observed band size: 70 kDa

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Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7145198 at dilution of 1:100

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