

Product datasheet

Anti-cIAP1 antibody [EPR4673] ab108361

KO VALIDATED Recombinant RabMAB

[24 References](#) [7 Images](#)

Overview

Product name	Anti-cIAP1 antibody [EPR4673]
Description	Rabbit monoclonal [EPR4673] to cIAP1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC/IF or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Jurkat, HeLa, HT-29, and HepG2 whole cell lysate (ab7900) IHC-P: Human spleen tissue
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAB[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAB[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR4673

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab108361 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 70 kDa (predicted molecular weight: 70 kDa).
IHC-P		1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. For purification use at 1/50 - 1/100

Application notes

Is unsuitable for Flow Cyt, ICC/IF or IP.

Target

Function

Apoptotic suppressor. The BIR motifs region interacts with TNF receptor associated factors 1 and 2 (TRAF1 and TRAF2) to form a heteromeric complex, which is then recruited to the tumor necrosis factor receptor 2 (TNFR2).

Tissue specificity

Present in many fetal and adult tissues. Mainly expressed in adult skeletal muscle, thymus, testis, ovary, and pancreas, low or absent in brain and peripheral blood leukocytes.

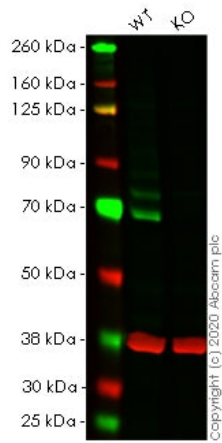
Sequence similarities

Belongs to the IAP family.
Contains 3 BIR repeats.
Contains 1 CARD domain.
Contains 1 RING-type zinc finger.

Cellular localization

Cytoplasm.

Images



Western blot - Anti-cIAP1 antibody [EPR4673] (ab108361)

All lanes : Anti-cIAP1 antibody [EPR4673] (ab108361) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : BIRC2 knockout HeLa cell lysate

Lysates/proteins at 20 µg per lane.

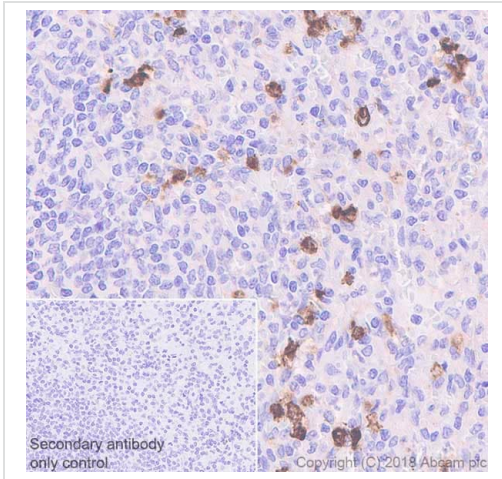
Performed under reducing conditions.

Predicted band size: 70 kDa

Observed band size: 70 kDa

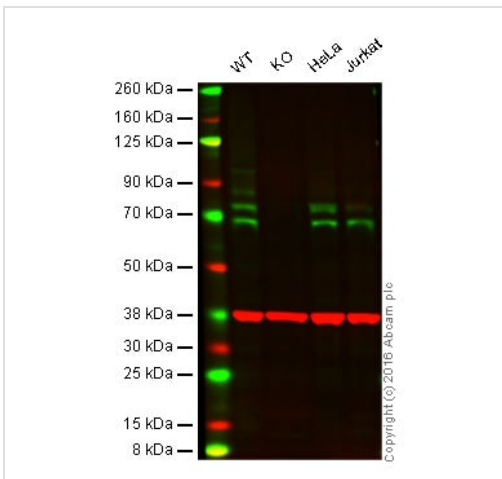
Lanes 1- 2: Merged signal (red and green). Green - ab108361 observed at 70 kDa. Red - Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) observed at 37 kDa.

ab108361 was shown to react with cIAP1 in wild-type HeLa cells in western blot. Loss of signal was observed when knockout cell line [ab265896](#) (knockout cell lysate [ab257372](#)) was used. Wild-type HeLa and BIRC2 knockout HeLa cell lysates were subjected to SDS-PAGE. Membrane was blocked for 1 hour at room temperature in 0.1% TBST with 3% non-fat dried milk. ab108361 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated overnight at 4°C at a 1 in 1000 dilution and a 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye®800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye®680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-cIAP1 antibody [EPR4673] (ab108361)

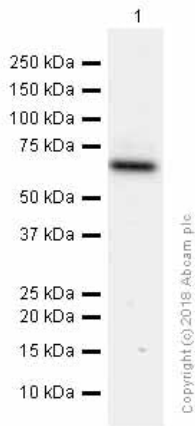
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human spleen tissue sections labeling cIAP1 with Purified ab108361 at 1:500 dilution (2.82 µg/ml). Heat mediated antigen retrieval was performed using [ab93684](#) (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Western blot - Anti-cIAP1 antibody [EPR4673] (ab108361)

Lane 1: Wild-type HAP1 cell lysate (20 µg)
Lane 2: cIAP1 knockout HAP1 cell lysate (20 µg)
Lane 3: HeLa cell lysate (20 µg)
Lane 4: Jurkat cell lysate (20 µg)
Lanes 1 - 4: Merged signal (red and green). Green - ab108361 observed at 70 kDa. Red - loading control, [ab8245](#), observed at 37 kDa.

ab108361 was shown to specifically react with cIAP1 when cIAP1 knockout samples were used. Wild-type and cIAP1 knockout samples were subjected to SDS-PAGE. Ab108361 and [ab8245](#) (loading control to GAPDH) were diluted at 1/1000 and 1/10,000 dilution respectively and incubated overnight at 4C. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1/10,000 dilution for 1 hour at room temperature before imaging.



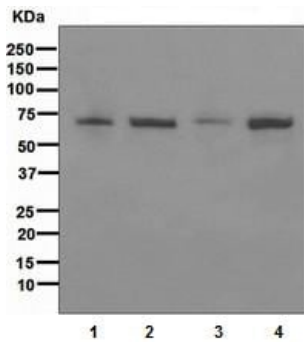
Western blot - Anti-clAP1 antibody [EPR4673] (ab108361)

Anti-clAP1 antibody [EPR4673] (ab108361) at 1/2000 dilution (purified) + HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates at 1/15 dilution

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/200000 dilution

Predicted band size: 70 kDa



Western blot - Anti-clAP1 antibody [EPR4673] (ab108361)

All lanes : Anti-clAP1 antibody [EPR4673] (ab108361) at 1/1000 dilution

Lane 1 : Jurkat cell lysate

Lane 2 : HeLa cell lysate

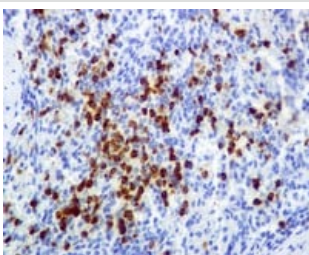
Lane 3 : HT29 cell lysate

Lane 4 : HepG2 cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 70 kDa

Observed band size: 70 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-clAP1 antibody [EPR4673] (ab108361)

ab108361, at 1/50, staining clAP1 in paraffin-embedded Human spleen tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-clAP1 antibody [EPR4673] (ab108361)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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