


Product datasheet

Anti-cIAP2 antibody ab23423

★★★★★ [7 Abreviews](#) [10 References](#) [4 Images](#)

Overview

Product name	Anti-cIAP2 antibody
Description	Rabbit polyclonal to cIAP2
Host species	Rabbit
Specificity	The immunogen used for this product shares 85% homology with cIAP1. Cross-reactivity with this protein has not been confirmed experimentally.
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Chicken, Dog 
Immunogen	Synthetic peptide corresponding to Human cIAP2 aa 550 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab25892)
Positive control	This antibody gave a positive signal in HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
	Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our

scientific support team who will be happy to help.

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab23423 in the following tested applications.

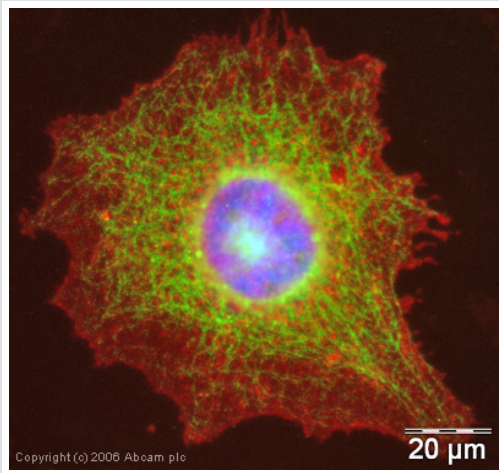
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (4)	Use a concentration of 1 µg/ml. Detects a band of approximately 71 kDa (predicted molecular weight: 68 kDa).
ICC/IF	★★★★☆ (1)	Use a concentration of 1 µg/ml.

Target

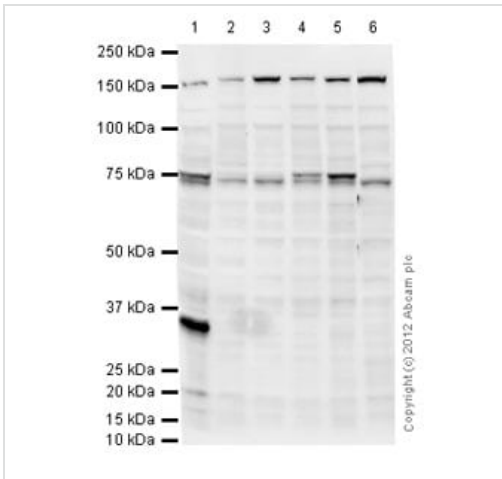
Function	Apoptotic suppressor. The BIR motifs region interacts with TNF receptor associated factors 1 and 2 (TRAF1 and TRAF2) to form an heteromeric complex, which is then recruited to the tumor necrosis factor receptor 2 (TNFR2).
Tissue specificity	Highly expressed in fetal lung, and kidney. In the adult, expression is mainly seen in lymphoid tissues, including spleen, thymus and peripheral blood lymphocytes.
Involvement in disease	Note=A chromosomal aberration involving BIRC3 is recurrent in low-grade mucosa-associated lymphoid tissue (MALT lymphoma). Translocation t(11;18)(q21;q21) with MALT1. This translocation is found in approximately 50% of cytogenetically abnormal low-grade MALT lymphoma.
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



Immunocytochemistry/ Immunofluorescence - Anti-clAP2 antibody (ab23423)

ICC/IF image of ab23423 stained human HeLa cells. The cells were methanol fixed (5 min) and incubated with the antibody (ab23423, 1 μg/ml) for 1h at room temperature. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Image-iT™ FX Signal Enhancer was used as the primary blocking agent, 5% BSA (in TBS-T) was used for all other blocking steps. DAPI was used to stain the cell nuclei (blue). Alexa Fluor® 594 WGA was used to label plasma membranes (red).



Western blot - Anti-clAP2 antibody (ab23423)

All lanes : Anti-clAP2 antibody (ab23423) at 1 μg/ml

Lane 1 : Daudi (Human Burkitt's lymphoma cell line) Whole Cell Lysate

Lane 2 : MOLT4 (Human acute lymphoblastic leukemia cell line) Whole Cell Lysate

Lane 3 : Jurkat (Human T cell lymphoblast-like cell line) Whole Cell Lysate

Lane 4 : Ramos (Human Burkitt's lymphoma cell line) Whole Cell Lysate

Lane 5 : Raji (Human Burkitt's lymphoma cell line) Whole Cell Lysate

Lane 6 : HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 μg/ml per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

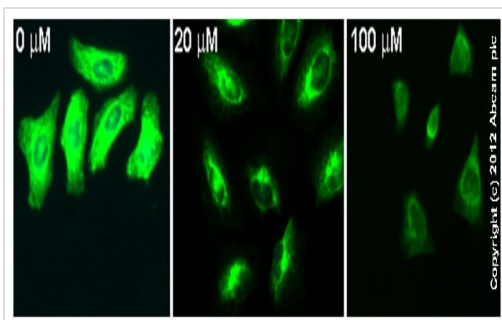
Predicted band size: 68 kDa

Observed band size: 73 kDa

Additional bands at: 150 kDa, 35 kDa, 75 kDa. We are unsure as to the identity of these extra bands.

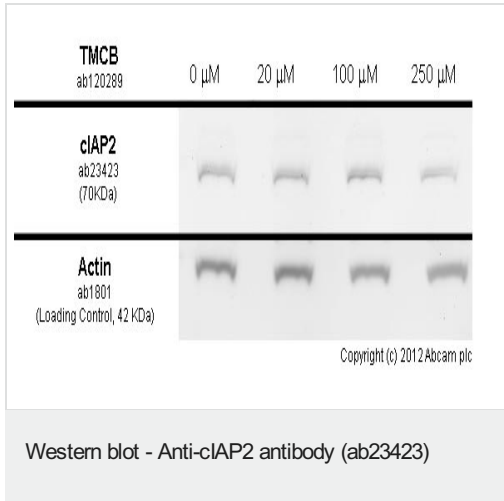
Exposure time: 8 minutes

A doublet was observed in Daudi, Ramos and Raji whole cell lysates (lanes 1, 4 and 5). This data suggests that ab23423 might react with both cIAP1 and cIAP2 proteins. The predicted molecular weights of cIAP1 and cIAP2 are 69-kDa and 68-kDa respectively. Abcam welcomes customer feedback and would appreciate any comments regarding this product and the data presented above.



Immunocytochemistry/ Immunofluorescence - Anti-cIAP2 antibody (ab23423)

ab23423 staining cIAP2 in HeLa cells treated with TMCB ([ab120289](#)), by ICC/IF. Decrease in cIAP2 expression correlates with increased concentration of TMCB, as described in literature. The cells were incubated at 37°C for 10 minutes in media containing different concentrations of [ab120289](#) (TMCB) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with ab23423 (5 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody ([ab96899](#)) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.



HeLa cells were incubated at 37°C for 24h with vehicle control (0 μM) and different concentrations of TMCB (**ab120289**). Decreased expression of cIAP2 in HeLa cells correlates with an increase in TMCB concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 40μg of each were loaded on the gel and the WB was run under reducing conditions. After transfer the membrane was blocked for an hour using 5% BSA before being incubated with ab23423 at 2 μg/ml and **ab1801** at 2 μg/ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (**ab97051**) at 1/10000 dilution and visualised using ECL development solution.

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