

Product datasheet

Anti-cIAP2 antibody [E40] ab32059

Recombinant **RabMAb**

★★★★☆ 2 Abreviews 28 References 7 Images

Overview

Product name	Anti-cIAP2 antibody [E40]
Description	Rabbit monoclonal [E40] to cIAP2
Host species	Rabbit
Specificity	This antibody is specific for human cIAP2. It does not cross-react with any other IAP family members.
Tested applications	Suitable for: Flow Cyt, WB, IHC-P, IP Unsuitable for: ICC
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human cIAP2 aa 400-500. The exact sequence is proprietary.
Positive control	WB: Daudi cell lysate IHC-P: Human spleen tissue, Human breast carcinoma IP: Daudi cell lysate FC: Raji cells
General notes	Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

This product is a [recombinant rabbit monoclonal antibody](#).

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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20

Preservative: 0.01% Sodium azide
Constituents: 59% PBS, 40% Glycerol, 0.05% BSA

Purity	Protein A purified
Clonality	Monoclonal
Clone number	E40
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab32059** in the following tested applications.

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

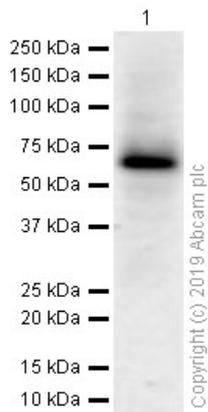
Application	Abreviews	Notes
Flow Cyt		1/70.
WB		1/50000. Predicted molecular weight: 72 kDa. For unpurified use at 1/1000.
IHC-P		1/600. See IHC antigen retrieval protocols .
IP		Use a concentration of 30 mg/ml. For unpurified use at 5 µg/mL.

Application notes Is unsuitable for ICC.

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



Western blot - Anti-cIAP2 antibody [E40] (ab32059)

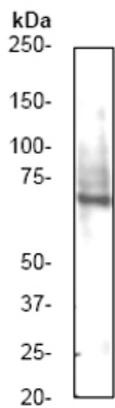
Anti-cIAP2 antibody [E40] (ab32059) at 1/50000 dilution (Purified)
+ Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysates
at 15 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 72 kDa

Observed band size: 72 kDa

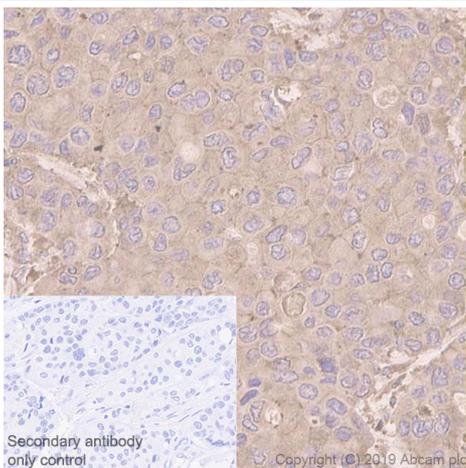


Western blot - Anti-cIAP2 antibody [E40] (ab32059)

Anti-cIAP2 antibody [E40] (ab32059) at 1/1000 dilution (unpurified)
+ Daudi cell lysate.

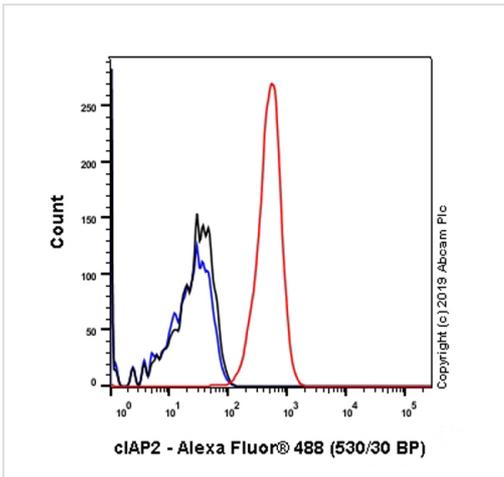
Predicted band size: 72 kDa

Observed band size: 72 kDa



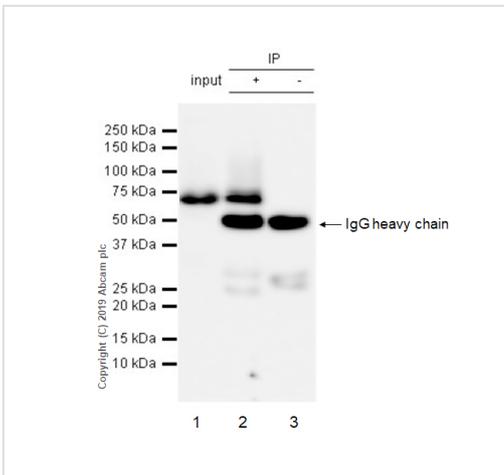
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-cIAP2 antibody [E40] (ab32059)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human breast carcinoma tissue sections labeling cIAP2 with purified ab32059 at 1/600 dilution (1.12 µg/ml). Perform heat mediated antigen retrieval using ab93684 (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Flow Cytometry - Anti-cIAP2 antibody [E40]
(ab32059)

Flow Cytometry analysis of Raji (Human Burkitt's lymphoma B lymphocyte) cells labeling cIAP2 with purified ab32059 at 1/70 dilution (10 µg/ml) (red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunoprecipitation - Anti-cIAP2 antibody [E40]
(ab32059)

ab32059 (purified) at 1/30 dilution (2ug) immunoprecipitating cIAP2 in Daudi whole cell lysates.

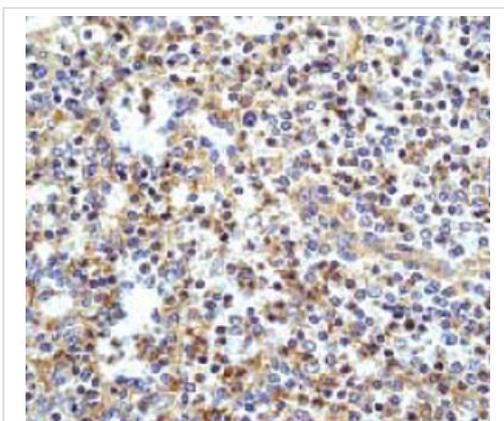
Lane 1: Daudi (Human Burkitt's lymphoma lymphoblast) whole cell lysates 10ug

Lane 2 (+): ab32059 & Daudi whole cell lysates

Lane 3 (-): Rabbit monoclonal IgG ([ab172730](#)) instead of ab32059 in Daudi whole cell lysates

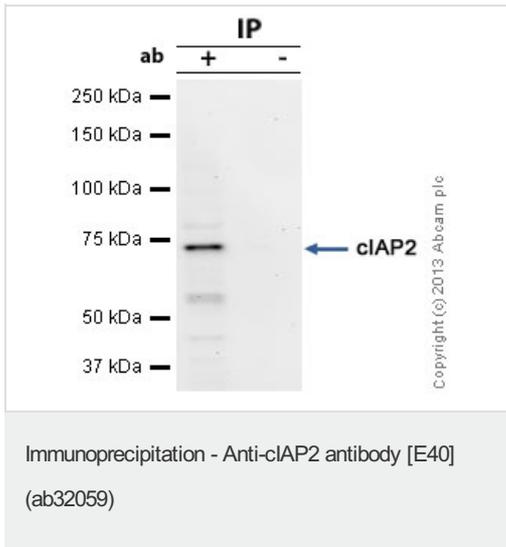
For western blotting, VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) was used at 1/1000 dilution.

Blocking and diluting buffer: 5% NFDm/TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-cIAP2 antibody [E40]
(ab32059)

ab32059 (unpurified) at a 1/50 dilution staining cIAP2 in human normal spleen, using Immunohistochemistry, Paraffin Embedded Tissue.



cIAP2 was immunoprecipitated using 0.5mg Daudi whole cell extract, 5µg of Rabbit polyclonal to cIAP2 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-). The antibody was incubated under agitation with Protein G beads for 10min, Daudi whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab32059 (unpurified). Secondary: Mouse monoclonal [SB62a] Secondary Antibody to Rabbit IgG light chain (HRP) (ab99697).

Band: 72kDa; cIAP2

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