

Rabbit anti-Human, Mouse cIAP Polyclonal Antibody | anti-BIRC2 antibody

cIAP Antibody

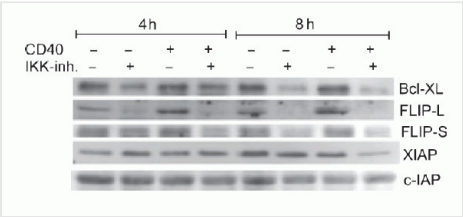
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10954	Rabbit	Human, Mouse	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

cIAP; Polyclonal Antibody; cIAP Antibody; API1; MIHB; HIAP2; RNF48; cIAP1; Hiap-2; c-IAP1; IAP2; Baculoviral IAP repeat-containing protein 2; C-IAP1; IAP-2; baculoviral IAP repeat-containing 2; anti-BIRC2 antibody

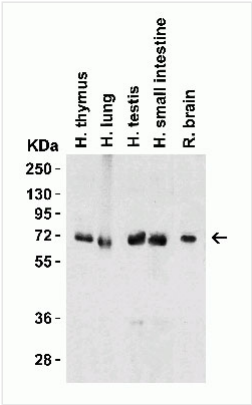
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	cIAP Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	618
Applicable Applications for anti-BIRC2 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	cIAP antibody can be used for the detection of c-IAP by Western blot at 1 to 4 ug/mL. Antibody can also be used for immunohistochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human, mouse and rat samples;Immunohistochemistry in human samples; Immunofluorescence in human samples. All other applications and species not yet tested. Positive Control: () : Human Lung Tissue Lysate () : Cell Lysate () : A549 Cell Lysate () : SK-N-SH Lysate
Immunogen	Anti-cIAP antibody was raised against a synthetic peptide corresponding to 14 amino acids at the C-terminus of human c-IAP1 c-IAP antibody detects both c-IAP1 and c-IAP2. This immunogen is located within the amino acids 540-590 of cIAP.
Buffer	cIAP Antibody is supplied in PBS containing 0.02% sodium azide.
Homology	Predicted species reactivity based on immunogen sequence: Pig: (93%), Chicken: (92%)
Preparation and Storage	cIAP antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



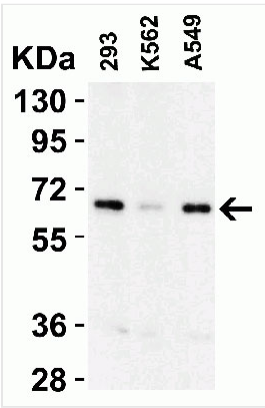
IF (Immunofluorescence)

Immunofluorescence Validation of cIAP in Human Lung Tissue Immunofluorescent analysis of 4% paraformaldehyde fixed human lung tissue labeling cIAP with 3325 at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green).



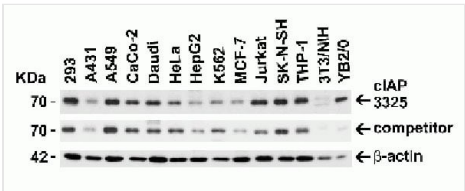
WB (Western Blot)

Western Blot Validation in Human and Rat Tissue Lysates Loading: 15 ug of lysates per lane. Antibodies: cIAP 3325 (1 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution



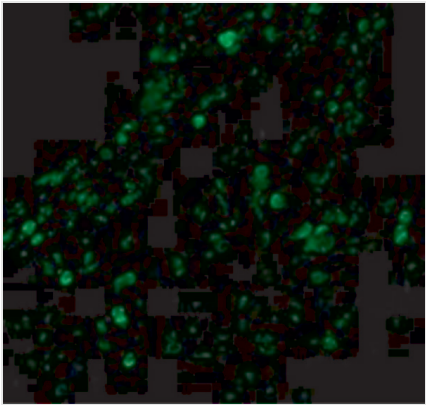
WB (Western Blot)

Western Blot Validation in Human Cell Lines Loading: 15 ug of lysates per lane. Antibodies: cIAP 3325 (2 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



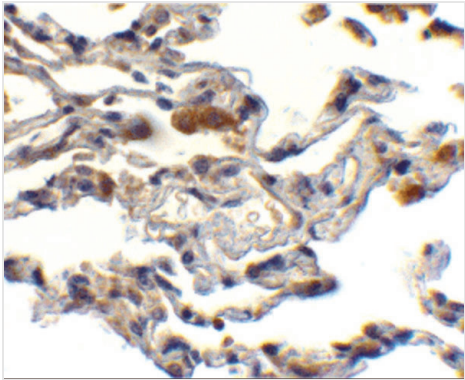
Application Data

Independent Antibody Validation (IAV) via Protein Expression Profile in Human, Mouse and Rat Cell Lines Loading: 15 ug of lysates per lane. Antibodies: cIAP 3325 (2 ug/mL), cIAP, competitor antibody, (1 ug/mL) and betaactin 3779 (1.5 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



IF (Immunofluorescence)

Immunofluorescence Validation of cIAP in Human Lung Tissue Immunofluorescent analysis of 4% paraformaldehyde fixed human lung tissue labeling cIAP with 3325 at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (green).



IHC (Immunohistochemistry)

Immunohistochemistry Validation of cIAP in Human Lung Tissue Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-cIAP antibody (3325) at 10 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-BIRC2 antibody	cIAP Antibody: Apoptosis, or programmed cell death, is related to many diseases, such as cancer. Apoptosis is triggered by a variety of stimuli including members in the TNF family and can be prevented by the inhibitor of apoptosis (IAP) proteins. IAP proteins form a conserved gene family that binds to and inhibits cell death proteases. The two isoforms of c-IAP (c-IAP1 and c-IAP2) are structurally related to XIAP, containing 3 baculoviral IAP repeat (BIR) motifs that are essential and sufficient for the binding and inhibition of caspases-3, -7. The c-IAPs can associate with the death receptor TNF-R2, and mediate the ubiquitination of TRAF2 following the binding of TNF- α by its receptor. Omi, a negative regulator of c-IAP, inhibits its activity by catalytically cleaving c-IAP. Another negative regulator, Smac/DIABLO, acts by enhancing the auto-ubiquitization activity of c-IAP.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502141
NCBI GeneID	329
NCBI Accession #	NP_001157
NCBI GenBank Nucleotide #	NM_001166.4
UniProt Accession #	Q13490; Q16516; Q4TTG0; B4E026
Molecular Weight	Predicted: 70kD Observed: 70kD
NCBI Official Full Name	baculoviral IAP repeat-containing protein 2 isoform 1
NCBI Official Synonym Full Names	baculoviral IAP repeat containing 2
NCBI Official Symbol	BIRC2
NCBI Official Synonym Symbols	API1; MIHB; HIAP2; RNF48; cIAP1; Hiap-2; c-IAP1
NCBI Protein Information	baculoviral IAP repeat-containing protein 2; IAP-2; IAP homolog B; apoptosis inhibitor 1; RING finger protein 48; inhibitor of apoptosis protein 2; baculoviral IAP repeat-containing 2; NFR2-TRAF signalling complex protein; TNFR2-TRAF-signaling complex protein 2
UniProt Protein Name	Baculoviral IAP repeat-containing protein 2
UniProt Gene Name	BIRC2
UniProt Synonym Gene Names	API1; IAP2; MIHB; RNF48; IAP-2; hIAP-2; hIAP2
UniProt Entry Name	BIRC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ciap-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/10954>