

**cIAP1 Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP52022**

**Specification**

**cIAP1 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O13490</a>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>70 KDa</b>
Antigen Region	<b>201 - 260</b>

**cIAP1 Antibody - Additional Information**

**Gene ID 329**

**Other Names**

Baculoviral IAP repeat-containing protein 2, 632-, C-IAP1, IAP homolog B, Inhibitor of apoptosis protein 2, IAP-2, hIAP-2, hIAP2, RING finger protein 48, TNFR2-TRAF-signaling complex protein 2, BIRC2, API1, IAP2, MIHB, RNF48

**Target/Specificity**

KLH conjugated synthetic peptide derived from human cIAP1

**Dilution**

WB ~ 1:1000

**Format**

0.01M PBS, pH 7.2, 0.1% Sodium azide, Glycerol 50%

**Storage**

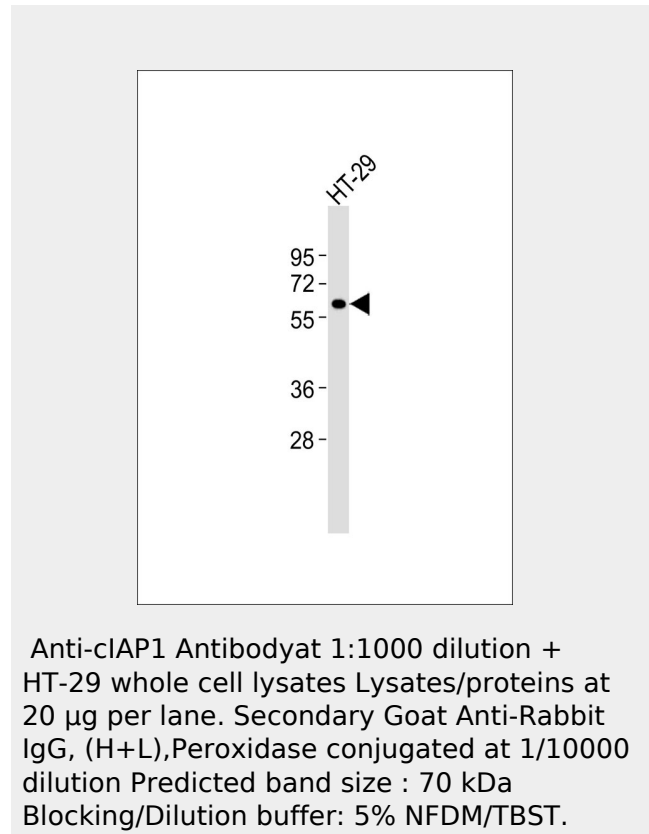
Store at -20 °C. Stable for 12 months from date of receipt

**cIAP1 Antibody - Protein Information**

**Name** BIRC2

**Synonyms** API1, MIHB, RNF48

**Function**



**cIAP1 Antibody - Background**

Multi-functional protein which regulates not only caspases and apoptosis, but also modulates inflammatory signaling and immunity, mitogenic kinase signaling, and cell 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

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#### **Cellular Location**

Cytoplasm. Nucleus. Note=Agents that induce either the extrinsic or intrinsic apoptotic pathways promote its redistribution from the nuclear compartment to the cytoplasmic compartment. Associated with the midbody in telophase cells, and found diffusely in the nucleus of interphase cells

#### **Tissue Location**

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

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#### **clAP1 Antibody - References**

- Rothe M., et al. Cell 83:1243-1252(1995).
- Liston P., et al. Nature 379:349-353(1996).
- Uren A.G., et al. Proc. Natl. Acad. Sci. U.S.A. 93:4974-4978(1996).
- Ota T., et al. Nat. Genet. 36:40-45(2004).
- Taylor T.D., et al. Nature 440:497-500(2006).

#### **clAP1 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)