

**cIAP2 (BIRC3) Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP6124a****Specification**

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**cIAP2 (BIRC3) Antibody (N-term) - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | WB, IHC-P,E               |
| Primary Accession | <a href="#">O13489</a>    |
| Other Accession   | <a href="#">NP_892007</a> |
| Reactivity        | Human                     |
| Host              | Rabbit                    |
| Clonality         | Polyclonal                |
| Isotype           | Rabbit IgG                |
| Antigen Region    | 101-131                   |

**cIAP2 (BIRC3) Antibody (N-term) - Additional Information****Gene ID** 330**Other Names**

Baculoviral IAP repeat-containing protein 3, 632-, Apoptosis inhibitor 2, API2, C-IAP2, IAP homolog C, Inhibitor of apoptosis protein 1, IAP-1, hIAP-1, hIAP1, RING finger protein 49, TNFR2-TRAF-signaling complex protein 1, BIRC3, API2, IAP1, MIHC, RNF49

**Target/Specificity**

This cIAP2 (BIRC3) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 101-131 amino acids from the N-terminal region of human cIAP2 (BIRC3).

**Dilution**

WB~~1:1000

IHC-P~~1:10~50

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

cIAP2 (BIRC3) Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**cIAP2 (BIRC3) Antibody (N-term) - Protein Information****Name** BIRC3

**Synonyms** API2, MIHC, RNF49

**Function** 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, IKBKE, TRAF1, and BCL10. Acts as an important regulator of innate immune signaling via regulation of Toll-like receptors (TLRs), Nodlike receptors (NLRs) and RIG-I like receptors (RLRs), collectively referred to as pattern recognition receptors (PRRs). Protects cells from spontaneous formation of the ripoptosome, a large multi-protein complex that has the capability to kill cancer cells in a caspase-dependent and caspase- independent manner. Suppresses ripoptosome formation by ubiquitinating RIPK1 and CASP8.

**Cellular Location**

Cytoplasm. Nucleus

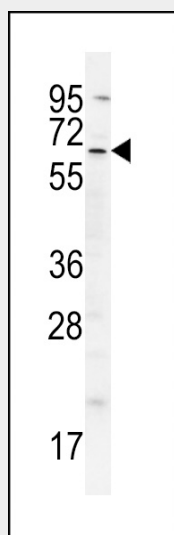
**Tissue Location**

Highly expressed in fetal lung, and kidney. In the adult, expression is mainly seen in lymphoid tissues, including spleen, thymus and peripheral blood lymphocytes

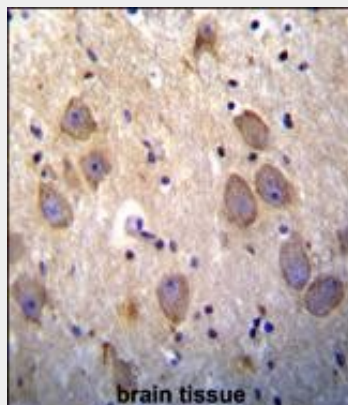
**cIAP2 (BIRC3) Antibody (N-term) - Protocols**

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](#)

**cIAP2 (BIRC3) Antibody (N-term) - Images**

BIRC3 Antibody (S116) (Cat. #AP6124a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the BIRC3 antibody detected the BIRC3 protein (arrow).



cIAP2 (BIRC3) antibody (N-term) (Cat. #AP6124a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of cIAP2 (BIRC3) antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **cIAP2 (BIRC3) Antibody (N-term) - Background**

BIRC3 is a member of a family of proteins that inhibits apoptosis by binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2, probably by interfering with activation of ICE-like proteases. The encoded protein inhibits apoptosis induced by serum deprivation but does not affect apoptosis resulting from exposure to menadione, a potent inducer of free radicals. The amino acid sequence predicts three baculovirus IAP repeat domains and a ring finger domain.

#### **cIAP2 (BIRC3) Antibody (N-term) - References**

Wang, Q., et al., J. Biol. Chem. 278(51):51091-51099 (2003).  
Suguro-Katayama, M., et al., Leukemia 17(12):2508-2512 (2003).  
Jonsson, G., et al., Anticancer Res. 23(4):3311-3316 (2003).  
Yang, Q.H., et al., Genes Dev. 17(12):1487-1496 (2003).  
Dai, Z., et al., Hum. Mol. Genet. 12(7):791-801 (2003).

#### **cIAP2 (BIRC3) Antibody (N-term) - Citations**

- [Mechanisms underlying 3-bromopyruvate-induced cell death in colon cancer.](#)
- [Upregulated WDR5 promotes proliferation, self-renewal and chemoresistance in bladder cancer via mediating H3K4 trimethylation.](#)