

**BIRC3 Antibody (internal region)**  
Peptide-affinity purified goat antibody  
Catalog # AF3337a

**Specification**

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**BIRC3 Antibody (internal region) - Product Information**

Application	WB
Primary Accession	<a href="#">O13489</a>
Other Accession	<a href="#">NP_001156.1</a> , <a href="#">330</a>
Reactivity	Rat
Predicted	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	68372

**BIRC3 Antibody (internal region) - Additional Information**

**Gene ID** 330

**Other Names**

Baculoviral IAP repeat-containing protein 3, 6.3.2.-, 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

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

BIRC3 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**BIRC3 Antibody (internal region) - 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

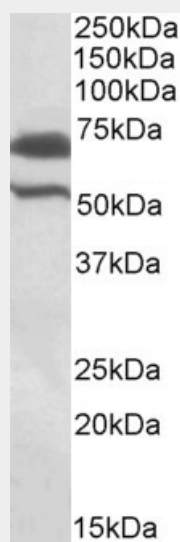
Highly expressed in fetal lung, and kidney. In the adult, expression is mainly seen in lymphoid tissues, including spleen, thymus and peripheral blood lymphocytes

### BIRC3 Antibody (internal region) - 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](#)

### BIRC3 Antibody (internal region) - Images



AF3337a (1 µg/ml) staining of Rat Testis lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### BIRC3 Antibody (internal region) - Background

Reported variants represent identical protein: NP\_892007.1, NP\_001156.1.

### **BIRC3 Antibody (internal region) - References**

Crystal structures of the TRAF2: cIAP2 and the TRAF1: TRAF2: cIAP2 complexes: affinity, specificity, and regulation. Zheng C, Kabaleeswaran V, Wang Y, Cheng G, Wu H, Molecular cell 2010 Apr 38 (1): 101-13. PMID: 20385093