

# Anti-IAP2 BIRC3 Rabbit Monoclonal Antibody

Catalog # ABO13319

## Product Information

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|--------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, IP                                                                                                      |
| <b>Primary Accession</b> | <a href="#">Q13489</a>                                                                                                    |
| <b>Host</b>              | Rabbit                                                                                                                    |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                |
| <b>Reactivity</b>        | Human                                                                                                                     |
| <b>Clonality</b>         | Monoclonal                                                                                                                |
| <b>Format</b>            | Liquid                                                                                                                    |
| <b>Description</b>       | Anti-IAP2 BIRC3 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human. |

## Additional Information

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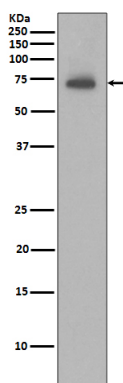
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|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                  | 330                                                                                                                                                                                                                                                                                                                               |
| <b>Other Names</b>              | Baculoviral IAP repeat-containing protein 3, 2.3.2.27, Apoptosis inhibitor 2, API2, Cellular inhibitor of apoptosis 2, C-IAP2, IAP homolog C, Inhibitor of apoptosis protein 1, hIAP-1, hIAP1, RING finger protein 49, RING-type E3 ubiquitin transferase BIRC3, TNFR2-TRAF-signaling complex protein 1, BIRC3, API2, MIHC, RNF49 |
| <b>Calculated MW</b>            | 68372                                                                                                                                                                                                                                                                                                                             |
| <b>Application Details</b>      | WB 1:1000-1:2000<br>IHC 1:50-1:100<br>ICC/IF 1:50-1:100<br>IP 1:50                                                                                                                                                                                                                                                                |
| <b>Subcellular Localization</b> | Cytoplasm. Nucleus.                                                                                                                                                                                                                                                                                                               |
| <b>Tissue Specificity</b>       | Highly expressed in fetal lung, and kidney. In the adult, expression is mainly seen in lymphoid tissues, including spleen, thymus and peripheral blood lymphocytes.                                                                                                                                                               |
| <b>Source</b>                   | Eukaryota                                                                                                                                                                                                                                                                                                                         |
| <b>Contents</b>                 | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                                                                                                                                                                               |
| <b>Clone Names</b>              | Clone: BOB-2                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen</b>                | A synthesized peptide derived from human IAP2                                                                                                                                                                                                                                                                                     |
| <b>Purification</b>             | Affinity-chromatography                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>                  | Store at -20°C for one year. For short term storage and frequent use, store at                                                                                                                                                                                                                                                    |

4°C for up to one month. Avoid repeated freeze-thaw cycles.

## Protein Information

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| <b>Name</b>              | BIRC3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>          | API2, MIHC, RNF49                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Function</b>          | 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. |
| <b>Cellular Location</b> | Cytoplasm. Nucleus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Tissue Location</b>   | Highly expressed in fetal lung, and kidney. In the adult, expression is mainly seen in lymphoid tissues, including spleen, thymus and peripheral blood lymphocytes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Images



Western blot analysis of IAP2 expression in Ramos cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.