

Anti-cIAP2 Picoband Antibody

Catalog # ABO12214

Product Information

Application	WB
Primary Accession	Q13489
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Baculoviral IAP repeat-containing protein 3(BIRC3) detection. Tested with WB in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	330
Other Names	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
Calculated MW	68372
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Cytoplasm . Nucleus .
Tissue Specificity	Highly expressed in fetal lung, and kidney. In the adult, expression is mainly seen in lymphoid tissues, including spleen, thymus and peripheral blood lymphocytes.
Source	Eukaryota
Protein Name	Baculoviral IAP repeat-containing protein 3
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Immunogen	E.coli-derived human cIAP2 recombinant protein (Position: M1-K191). Human cIAP2 shares 69.8% amino acid (aa) sequence identity with mouse cIAP2.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After r ° Constitution, at 4 °C for one month. It ° Can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the IAP family.

Protein Information

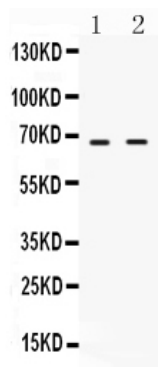
Name	BIRC3
Synonyms	API2, MIHC, RNF49
Function	Multi-functional protein which regulates not only caspases and apoptosis, but also modulates inflammatory signaling and immunity, mitogenic kinase signaling and cell proliferation, as well as cell invasion and metastasis. Acts as an E3 ubiquitin-protein 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

Background

Baculoviral IAP repeat-containing protein 3 (also known as cIAP2) is a protein that in humans is encoded by the BIRC3 gene. cIAP2 is a member of the IAP family of proteins that inhibit 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. It contains 3 baculovirus IAP repeats and a ring finger domain. Transcript variants encoding the same isoform have been identified.

Images

Anti- cIAP2 Picoband antibody, ABO12214, Western blottingAll lanes: Anti cIAP2 (ABO12214) at 0.5ug/mlLane 1: HEPG2 Whole Cell Lysate at 40ugLane 2: HELA Whole Cell Lysate at 40ugPredicted bind size: 68KDObserved bind size: 68KD



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