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IAP2 Antibody

Rabbit mAb
Catalog # AP90220

Product Information

Application	WB, IHC, IF, ICC, IP, IHF
Primary Accession	Q13489
Reactivity	Human
Clonality	Monoclonal
Other Names	AIP1; API2; BIRC3; CIAP2; HAIP1; IAP homolog C ;RNF49; MIHC; MALT2; Apoptosis inhibitor 2;IAP2;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	68372

Additional Information

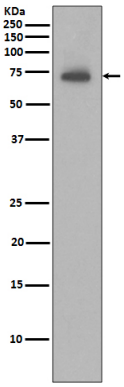
Dilution	WB 1:1000~1:2000 IHC 1:50~1:100 ICC/IF 1:50~1:100 IP 1:50
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human IAP2
Description	Apoptotic suppressor. The BIR motifs region interacts with TNF receptor associated factors 1 and 2 (TRAF1 and TRAF2) to form an heteromeric complex, which is then recruited to the tumor necrosis factor receptor 2 (TNFR2).
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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

Images



Western blot analysis of IAP2 expression in Ramos cell lysate.

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