

c IAP1 Rabbit mAb

Catalog No: #52220

Package Size: #52220-1 50ul #52220-2 100ul

Orders: order@signalwayantibody.com

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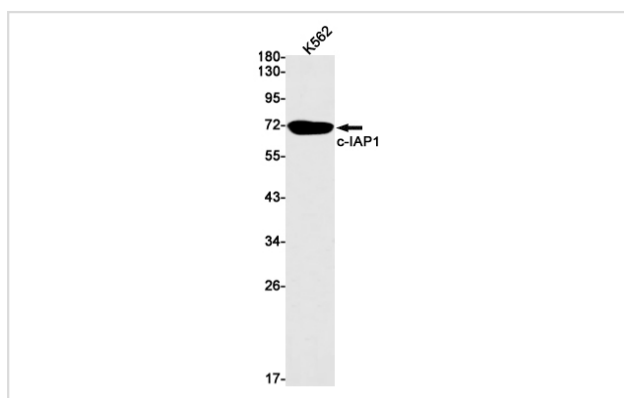
Description

Product Name	c IAP1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S01-1C5
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IF
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human cIAP1
Conjugates	Unconjugated
Modification	Unmodification
Other Names	API1; MIHB; HIAP2; RNF48; cIAP1; Hiap-2; c-IAP1
Accession No.	Swiss-Prot:Q13490GeneID:329
Uniprot	Q13490
GeneID	329
Calculated MW	Calculated MW: 70 kDa; Observed MW: 70 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

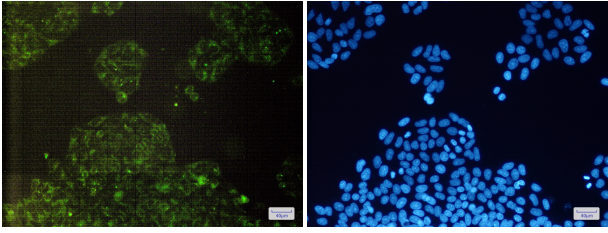
WB: 1/1000-1/5000; ICC/IF: 1/20-1/50

Images



Western blot detection of c-IAP1 in K562 cell lysates using c-IAP1 Rabbit mAb(1:1000 diluted). Predicted band size:70kDa.Observed band size:70kDa.

Immunofluorescence of cIAP1(green) in HeLa cells using cIAP1 Rabbit mAb at dilution 1/200, and DAPI(blue)



Background

Swiss-Prot Acc.Q13490. 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, TRAF2, DIABLO/SMAC, MAP3K14/NIK, MAP3K5/ASK1, IKBKG/NEMO, IKBKE and MXD1/MAD1. Can also function as an E3 ubiquitin-protein ligase of the NEDD8 conjugation pathway, targeting effector caspases for neddylation and inactivation. 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. Can stimulate the transcriptional activity of E2F1. Plays a role in the modulation of the cell cycle.

Note: This product is for in vitro research use only