

Product datasheet for **TA306169**

cIAP1 (BIRC2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 4 ug/mL, ICC: 10 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	c-IAP antibody was raised against a synthetic peptide corresponding to 14 amino acids at the C-terminus of human c-IAP1 c-IAP antibody detects both c-IAP1 and c-IAP2.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	baculoviral IAP repeat containing 2
Database Link:	NP_001157 Entrez Gene 11797 Mouse Entrez Gene 329 Human Q13490



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Background:

Apoptosis, or programmed cell death, is related to many diseases, such as cancer. Apoptosis is triggered by a variety of stimuli including members in the TNF family and can be prevented by the inhibitor of apoptosis (IAP) proteins. IAP proteins form a conserved gene family that binds to and inhibits cell death proteases (1 for review). The two isoforms of c-IAP (c-IAP1 and c-IAP2) are structurally related to XIAP, containing 3 baculoviral IAP repeat (BIR) motifs that are essential and sufficient for the binding and inhibition of caspases-3, -7, (2,3). The c-IAPs can associate with the death receptor TNF-R2, and mediate the ubiquitination of TRAF2 following the binding of TNF-alpha by its receptor (2,4). Omi, a negative regulator of c-IAP, inhibits its activity by catalytically cleaving c-IAP (5). Another negative regulator, Smac/DIABLO, acts by enhancing the auto-ubiquitization activity of c-IAP (6).

Synonyms:

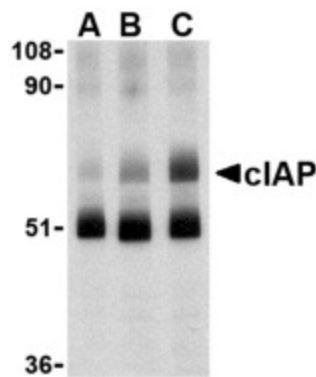
API1; c-IAP1; cIAP1; Hiap-2; HIAP2; MIHB; RNF48

Protein Families:

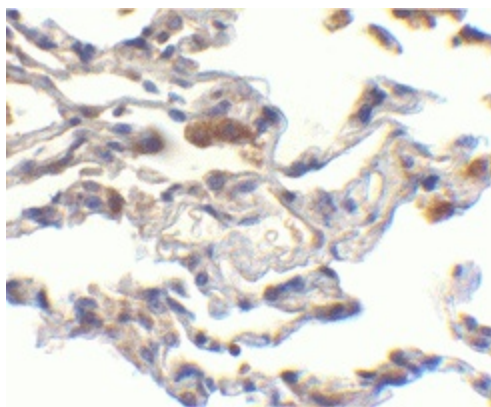
Druggable Genome

Protein Pathways:

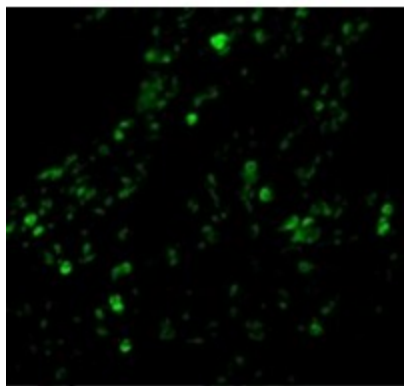
Apoptosis, Focal adhesion, NOD-like receptor signaling pathway, Pathways in cancer, Small cell lung cancer, Ubiquitin mediated proteolysis

Product images:


Western blot analysis of c-IAP in human lung lysate with c-IAP antibody at 1 (lane A), 2 (lane B), and 4 (lane C) ug/ml, respectively.



Immunohistochemistry of cIAP in human lung cells with cIAP antibody at 10 ug/ml.



Immunofluorescence of cIAP in Human Lung cells with cIAP antibody at 20 ug/mL.