

cIAP Antibody

Catalog No: #24243

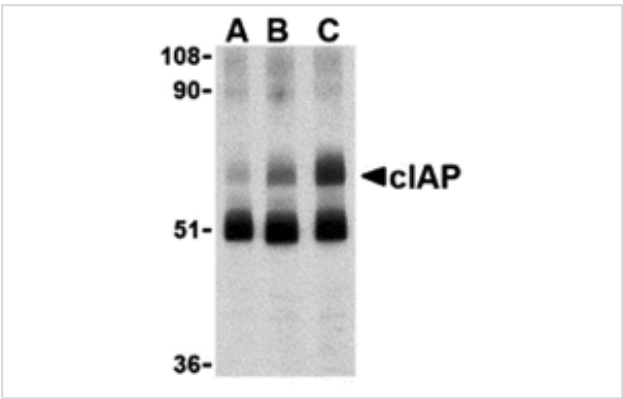


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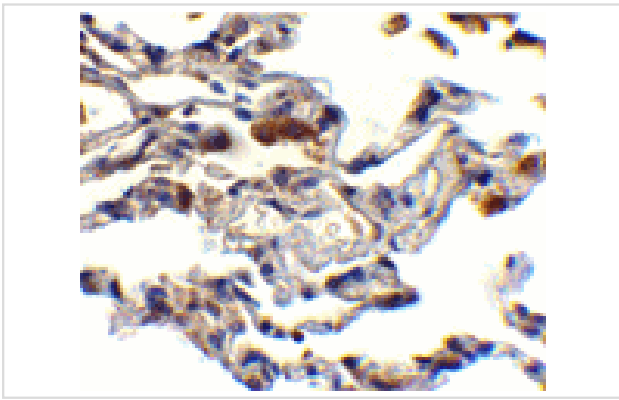
Description

Product Name	cIAP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Specificity	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.
Immunogen Type	Peptide
Immunogen Description	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.
Target Name	cIAP
Other Names	cIAP
Accession No.	Swiss-Prot:Q13490Gene ID:329
Uniprot	Q13490
GeneID	329;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

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.

## 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. 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. 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. Omi, a negative regulator of c-IAP, inhibits its activity by catalytically cleaving c-IAP. Another negative regulator, Smac/DIABLO, acts by enhancing the auto-ubiquitization activity of c-IAP.

Note: This product is for in vitro research use only