

## XIAP Antibody

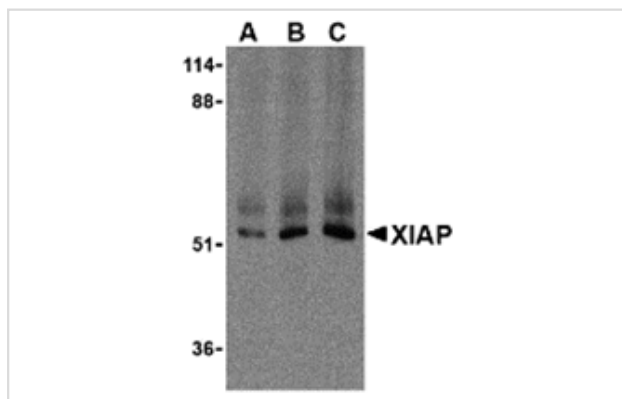
Catalog No: #24244

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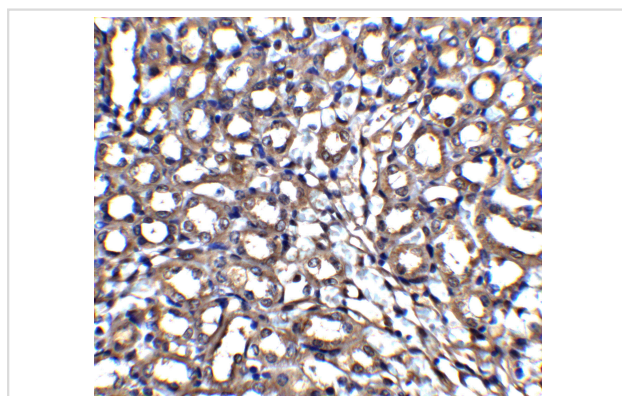
## Description

Product Name	XIAP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu Ms
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to 13 amino acids at the C-terminus of human XIAP.
Target Name	XIAP
Accession No.	Swiss-Prot:P98170Gene ID:331
Uniprot	P98170
GeneID	331;
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 XIAP in human kidney lysate with XIAP antibody at 0.5 (lane A), 1 (lane B), and 2 (lane C)  $\mu\text{g}/\text{mL}$ , respectively.



Immunohistochemistry of XIAP in mouse kidney tissue with XIAP antibody at 5  $\mu\text{g}/\text{mL}$ .

## Background

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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 X-chromosome linked inhibitor of apoptosis (XIAP) contains 3 baculoviral IAP repeat (BIR) motifs that are essential and sufficient for the binding and inhibition of caspases-3, -7, and -9. Upregulation of XIAP expression can protect cells from apoptosis induced by low level radiation; conversely, decreased XIAP expression by antisense targeting resulted in increased cell death following low level radiation. Two negative regulators, termed XAF-1 and Smac, can bind and inhibit XIAP activity.

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Note: This product is for in vitro research use only