

Product datasheet for **TA306170**

XIAP Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 - 2 ug/mL, ICC: 2 ug/mL, IF: 10 ug/mL
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	XIAP antibody was raised against a synthetic peptide corresponding to 13 amino acids at the C-terminus of human XIAP. The immunogen is located within amino acids 420 - 470 of XIAP.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	X-linked inhibitor of apoptosis
Database Link:	NP_001158 Entrez Gene 11798 Mouse Entrez Gene 331 Human P98170



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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 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 (2,3). 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 (4). Two negative regulators, termed XAF-1 (5) and Smac (6), can bind and inhibit XIAP activity.

Synonyms:

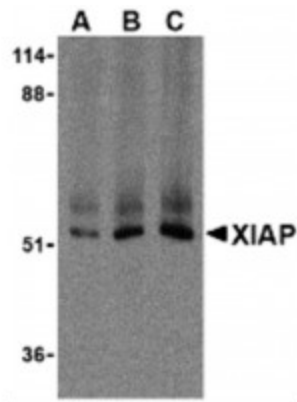
API3; BIRC4; hIAP-3; hIAP3; IAP-3; ILP1; MIHA; XLP2

Protein Families:

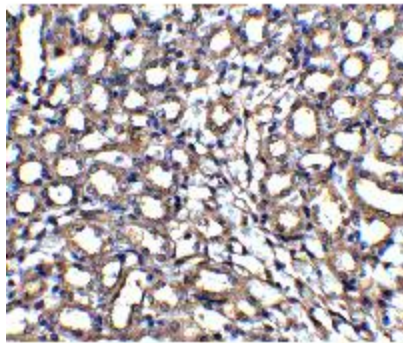
Druggable Genome

Protein Pathways:

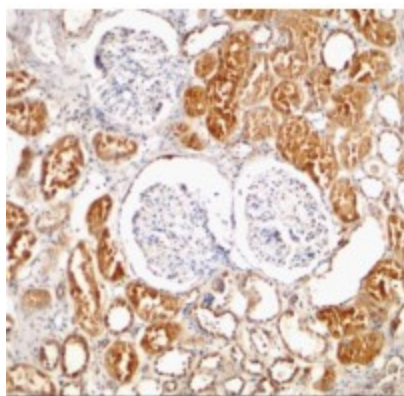
Apoptosis, Focal adhesion, NOD-like receptor signaling pathway, Pathways in cancer, Small cell lung cancer, Ubiquitin mediated proteolysis

Product images:


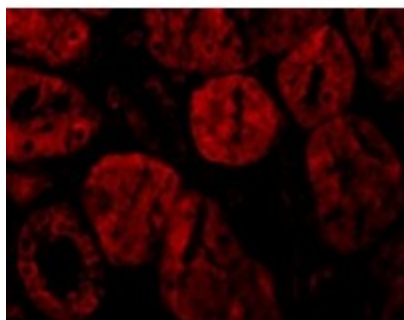
Western blot analysis of XIAP in human kidney lysate with XIAP antibody at (A) 0.5, (B) 1, and (C) 2ug/ml, respectively.



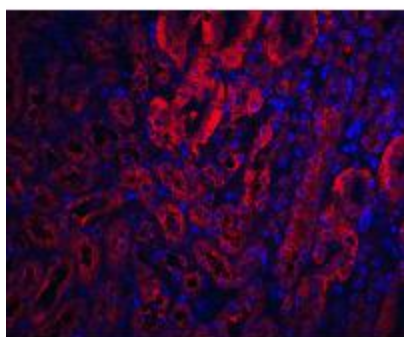
Immunohistochemistry of XIAP in mouse kidney tissue with XIAP antibody at 5ug/ml.



Immunohistochemical staining of human kidney tissue using XIAP antibody at 2ug/ml.



Immunofluorescence of XIAP in Human Kidney tissue with XIAP antibody at 10ug/ml.



Immunofluorescence of XIAP in mouse kidney tissue with XIAP antibody at 20ug/ml.