

XIAP

Reactivity: Human Mouse Rat

Tested applications: WB

Recommended Dilution: WB 1:500 - 1:1000

Calculated MW: 60kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human XIAP

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bhl

Synonym:

XIAP;API3;BIRC4;ILP1;MIHA;XLP2 ;

Catalog #: A1543

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 331

Isotype: IgG

Swiss Prot: P98170

Purity: Affinity purification

For research use only.

Background:

The inhibitor of apoptosis protein (IAP) family consists of an evolutionarily conserved group of apoptosis inhibitors containing a conserved 70 amino acid BIR (baculovirus inhibitor repeat) domain (1,2). Human members of this family include c-IAP1, c-IAP2, XIAP, survivin, livin, and NAIP. Overexpression of IAP family members, particularly survivin and livin, in cancer cell lines and primary tumors suggests an important role for these proteins in cancer progression (3-5). In general, the IAP proteins function through direct interactions to inhibit the activity of several caspases, including caspase-3, caspase-7, and caspase-9 (5,6). In addition, binding of IAP family members to the mitochondrial protein Smac blocks their interaction with caspase-9, thereby allowing the processing and activation of the caspase (2).

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