

Product Name: KD-Validated XIAP Mouse Monoclonal Antibody**Catalog #: KVA00595**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1 kappa
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 56.7kDa

Antigen Information

Gene Name	XIAP
Alternative Names	XIAP; X-Linked Inhibitor Of Apoptosis; BIRC4; HILP; API3; X-Linked Inhibitor Of Apoptosis, E3 Ubiquitin Protein Ligase; Baculoviral IAP Repeat-Containing Protein 4; RING-Type E3 Ubiquitin Transferase XIAP; E3 Ubiquitin-Protein Ligase XIAP; Inhibitor Of Apoptosis Protein 3; IAP-Like Protein 1; X-Linked IAP; HIAP-3; ILP-1; IAP-3; HIAP3; X-Linked Inhibitor Of Apoptosis Protein; Baculoviral IAP Repeat-Containing 4; IAP-Like Protein; EC 2.3.2.27; ILP1; MIHA; XLP2; IAP3; ILP
Gene ID	331.0
SwissProt ID	P98170
Immunogen	Recombinant protein of human XIAP

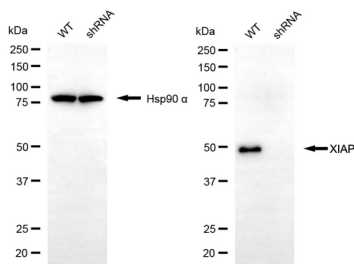
Background

This gene encodes a protein that belongs to a family of apoptotic suppressor proteins. Members of this family share a conserved motif termed, baculovirus IAP repeat, which is necessary for their anti-apoptotic function. This protein functions through binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2 and inhibits apoptosis induced by menadione, a potent inducer of free radicals, and interleukin 1-beta converting enzyme. This protein also inhibits at least two members of the caspase family of cell-death proteases, caspase-3 and caspase-7. Mutations in this gene are the cause of X-linked lymphoproliferative syndrome. Alternate splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 2 and 11.[provided by RefSeq, Feb 2011]

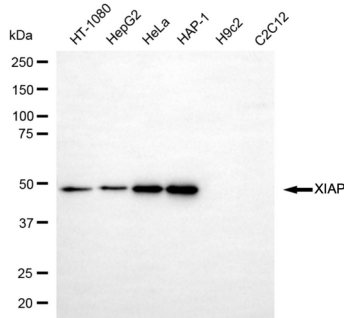
Research Area

Cell Biology,Cancer,Metabolism

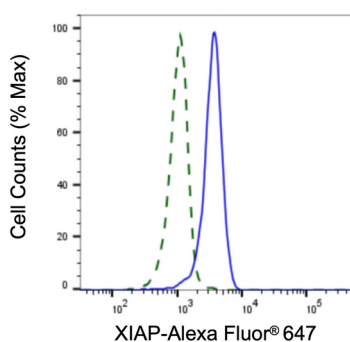
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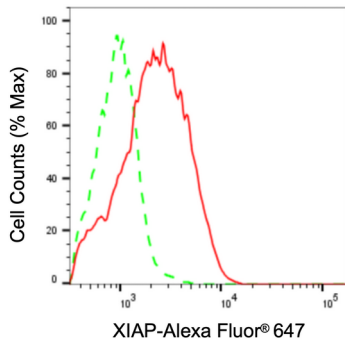
Western blotting analysis using XIAP antibody (KVA00595). XIAP expression in wild-type (WT) and XIAP shRNA knockdown (KD) HT-1080 cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with XIAP antibody (KVA00595, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using XIAP antibody (KVA00595). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with XIAP antibody (KVA00595, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Validation of XIAP knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HT-1080 cells were stained with XIAP antibody (KVA00595, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of XIAP expression in HAP-1 cells using XIAP antibody (KVA00595, 1:2,000). Green, isotype control; red, XIAP.