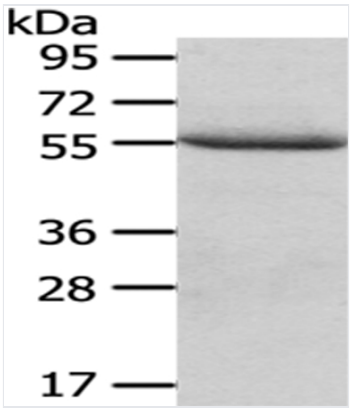
XIAP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	XIAP, Polyclonal Antibody
Full Product Name	XIAP Antibody
Product Gene Name	anti-XIAP antibody
Product Synonym Names	API3; ILP1; MIHA; XLP2; BIRC4; IAP-3; hIAP3; hIAP-3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen Affinity Purification
Concentration	2.5 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total XIAP protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	56,685 Da
OMIM	300079
3D Structure	ModBase 3D Structure for P98170
Immunogen	Synthetic peptide of human XIAP
Immunogen Type	Peptide
Product Categories/Family for anti-XIAP antibody	Total protein Ab
Applications Tested/Suitable for anti-XIAP antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-XIAP antibody	Western Blot: 1:200-1:1000 Immunohistochemistry: 1:25-1:100
Related Product Information for anti-XIAP antibody	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.
Other Notes	Small volumes of anti-XIAP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for XIAP purchase	MBS9415155 is an antibody targeting XIAP. Also known as XIAP Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-XIAP antibody
Gel: 8%SDS-PAGE Lysate: 40 ? g Lane: Human normal kidney tissue Primary antibody: 1/400 dilution Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution Exposure time: 3 minutes

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for XIAP. It may not necessarily be applicable to this product.

NCBI GI #	32528299
NCBI GeneID	331
NCBI Accession #	NP_001158.2
UniProt Primary Accession #	P98170
UniProt Secondary Accession #	Q9NQ14; D3DTF2
UniProt Related Accession #	P98170
GenBank Nucleotide #	NM_001167.3
NCBI Official Full Name	E3 ubiquitin-protein ligase XIAP
NCBI Official Synonym Full Names	X-linked inhibitor of apoptosis
NCBI Official Symbol	XIAP
NCBI Official Synonym Symbols	API3; ILP1; MIHA; XLP2; BIRC4; IAP-3; hIAP3; hIAP-3
UniProt Protein Name	E3 ubiquitin-protein ligase XIAP
UniProt Synonym Protein Names	Baculoviral IAP repeat-containing protein 4; IAP-like protein; ILP; hILP; Inhibitor of apoptosis protein 3; IAP-3; hIAP-3; hIAP3; X-linked inhibitor of apoptosis protein; X-linked IAP
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	XIAP
UniProt Synonym Gene Names	API3; BIRC4; IAP3; ILP; hILP; IAP-3; hIAP-3; hIAP3; X-linked IAP
UniProt Entry Name	XIAP_HUMAN
NCBI Protein Information	E3 ubiquitin-protein ligase XIAP

UniProt Comments for XIAP	Multi-functional protein which regulates not only caspases and apoptosis, but also modulates inflammatory signaling and immunity, copper homeostasis, mitogenic kinase signaling, cell proliferation, as well as cell invasion and metastasis. Acts as a direct caspase inhibitor. Directly bind to the active site pocket of CASP3 and CASP7 and obstructs substrate entry. Inactivates CASP9 by keeping it in a monomeric, inactive state. Acts as an E3 ubiquitin-protein ligase regulating NF-kappa-B signaling and the target proteins for its E3 ubiquitin-protein ligase activity include: RIPK1, CASP3, CASP7, CASP8, CASP9, MAP3K2/MEKK2, DIABLO/SMAC, AIFM1, CCS and BIRC5/survivin. Ubiquitinion of CCS leads to enhancement of its chaperone activity toward its physiologic target, SOD1, rather than proteasomal degradation. Ubiquitinion of MAP3K2/MEKK2 and AIFM1 does not lead to proteasomal degradation. Plays a role in copper homeostasis by ubiquitinationg COMMD1 and promoting its proteasomal degradation. Can also function as E3 ubiquitin-protein ligase of the NEDD8 conjugation pathway, targeting effector caspases for neddylation and inactivation. Regulates the BMP signaling pathway and the SMAD and MAP3K7/TAK1 dependent pathways leading to NF-kappa-B and JNK activation. Acts as an important regulator of innate immune signaling via regulation of Nodlike receptors (NLRs). Protects cells from spontaneous formation of the ripoptosome, a large multi-protein complex that has the capability to kill cancer cells in a caspase-dependent and caspase-independent manner. Suppresses ripoptosome formation by ubiquitinating RIPK1 and CASP8. Acts as a positive regulator of Wnt signaling and ubiquitinates TLE1, TLE2, TLE3, TLE4 and AES. Ubiquitination of TLE3 results in inhibition of its interaction with TCF7L2/TCF4 thereby allowing efficient recruitment and binding of the transcriptional coactivator beta-catenin to TCF7L2/TCF4 that is required to initiate a Wnt-specific transcriptional program.
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