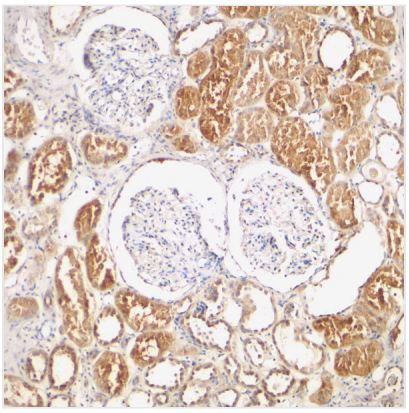
XIAP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	XIAP, Polyclonal Antibody
Full Product Name	XIAP (API3, Baculoviral IAP repeat-containing protein 4, BIRC4, hILP, HILP, IAP3, IAP-like protein, ILP1, Inhibitor of apoptosis protein 3, MIHA, Xiap, X-linked IAP, X-linked inhibitor of apoptosis protein) (MaxLight 405)
Product Gene Name	anti-XIAP antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. Labeled with MaxLight405.
Purity/Purification	Purified by affinity chromatography.
Specificity	Specific for human X-chromosome linked inhibitor of apoptosis (XIAP). Detects a band of ~57kD in human kidney lysates. Species Crossreactivity: Mouse
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	56,685 Da
Chromosome Location	Chromosome: X; NC_000023.10 (122993662..123047829). Location: Xq25
OMIM	300079
3D Structure	ModBase 3D Structure for P98170
Immunogen	Synthetic peptide corresponding to a thirteen amino acid sequence with the C-terminal region of human XIAP.
Conjugate	MaxLight405
Note	Preservative Free
Product Categories/Family for anti-XIAP antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-XIAP antibody	Immunohistochemistry (IHC) Frozen/Paraffin, Western Blot (WB)
Application Notes for anti-XIAP antibody	IHC-P: 2ug/ml, Requires antigen retrieval using heat treatment prior to staining of paraffin sections. WB: 0.5-2.0ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-XIAP antibody	XIAP is an endogenous inhibitor of cell death, which functions by suppressing caspases 3, 7, and 9. The protein is also reported to play a a role in the activation of NF kappa B and the regulation of cyclins and cyclin-dependent kinase inhibitors (CDKIs). Regulators of XIAP activity include XAF-1 and Smac.
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	MBS6506273 is an antibody targeting XIAP. Also known as XIAP (API3, Baculoviral IAP repeat-containing protein 4, BIRC4, hILP, HILP, IAP3, IAP-like protein, ILP1, Inhibitor of apoptosis protein 3, MIHA, Xiap, X-linked IAP, X-linked inhibitor of apoptosis protein) (MaxLight 405). Reactive in Human, Mouse. Host: Rabbit.



Immunohistochemistry (IHC) of anti-XIAP antibody
XIAP-AHP937 staining of human kidney tissue with anti-XIAP at 2ug/ml. Formalin fixed paraffin processed tissue.

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
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	XIAP
UniProt Synonym Gene Names	API3; BIRC4; IAP3; ILP; hILP; IAP-3; hIAP-3; hIAP3
UniProt Entry Name	XIAP_HUMAN
NCBI Protein Information	E3 ubiquitin-protein ligase XIAP; X-linked IAP; IAP-like protein; inhibitor of apoptosis protein 3; baculoviral IAP repeat-containing protein 4

NCBI Summary for XIAP	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]
UniProt Comments for XIAP	XIAP: an apoptotic suppressor protein. Inhibist apoptosis through binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2. Inhibits apoptosis induced by menadione, a potent inducer of free radicals, and ICE. Inhibits cell-death proteases, caspase-3, caspase-7, and perhaps caspase-9. Protein type: Ligase; Ubiquitin conjugating system; Ubiquitin ligase; EC 6.3.2.-; Apoptosis Chromosomal Location of Human Ortholog: Xq25 Cellular Component: nucleoplasm; spindle microtubule; cytoplasm; nucleus; cytosol Molecular Function: protein binding; zinc ion binding; caspase inhibitor activity; ubiquitin-protein ligase activity; ligase activity Biological Process: Wnt receptor signaling pathway; positive regulation of protein ubiquitination; apoptosis; regulation of inflammatory response; regulation of BMP signaling pathway; protein ubiquitination; negative regulation of caspase activity; response to DNA damage stimulus; copper ion homeostasis; regulation of innate immune response; negative regulation of apoptosis; regulation of cell proliferation Disease: Lymphoproliferative Syndrome, X-linked, 1; Lymphoproliferative Syndrome, X-linked, 2
Research Articles on XIAP	**1.** Downregulation of uPAR and cathepsin B quenched TGF-beta1-driven invasion and survival of meningioma cells in a XIAP-dependent manner.
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