



XIAP blocking peptide (CDBP6442)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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]
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Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	XIAP X-linked inhibitor of apoptosis [Homo sapiens (human)]
Official Symbol	XIAP
Synonyms	XIAP; X-linked inhibitor of apoptosis; API3; ILP1; MIHA; XLP2; BIRC4; IAP-3; hIAP3; hIAP-3;

E3 ubiquitin-protein ligase XIAP; X-linked IAP; IAP-like protein; inhibitor of apoptosis protein 3; baculoviral IAP repeat-containing protein 4

Entrez Gene ID	331
mRNA Refseq	NM_001167
Protein Refseq	NP_001158
UniProt ID	P98170
Pathway	Apoptosis; Apoptotic factor-mediated response; BMP receptor signaling; Caspase cascade in apoptosis; Disease; Focal adhesion; HTLV-I infection; Intrinsic Pathway for Apoptosis
Function	cysteine-type endopeptidase inhibitor activity involved in apoptotic process; ligase activity; protein binding; ubiquitin-protein transferase activity; zinc ion binding