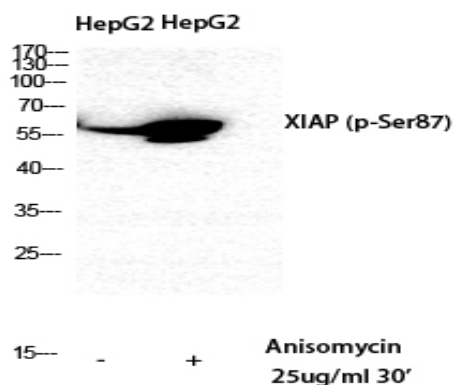


XIAP (phospho Ser87) Polyclonal Antibody

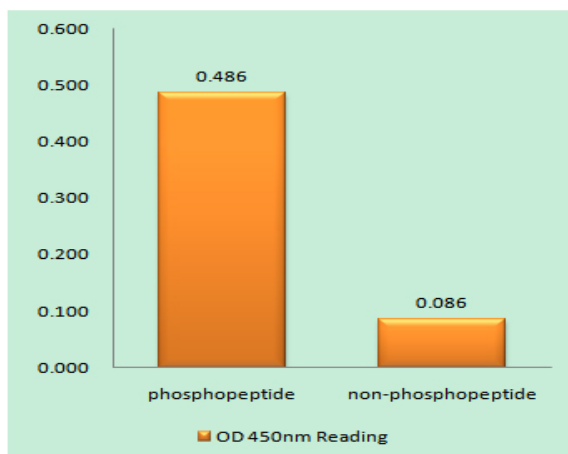
Catalog No :	YP0681
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	XIAP
Fields :	>>Platinum drug resistance;>>NF-kappa B signaling pathway;>>Ubiquitin mediated proteolysis;>>Apoptosis;>>Apoptosis - multiple species;>>Necroptosis;>>Focal adhesion;>>NOD-like receptor signaling pathway;>>Toxoplasmosis;>>Human T-cell leukemia virus 1 infection;>>Pathways in cancer;>>Chemical carcinogenesis - receptor activation;>>Small cell lung cancer
Gene Name :	XIAP
Protein Name :	E3 ubiquitin-protein ligase XIAP
Human Gene Id :	331
Human Swiss Prot No :	P98170
Mouse Gene Id :	11798
Mouse Swiss Prot No :	Q60989
Rat Gene Id :	63879
Rat Swiss Prot No :	Q9R0I6
Immunogen :	The antiserum was produced against synthesized peptide derived from human XIAP around the phosphorylation site of Ser87. AA range:53-102
Specificity :	Phospho-XIAP (S87) Polyclonal Antibody detects endogenous levels of XIAP protein only when phosphorylated at S87.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	57kD
Cell Pathway :	Ubiquitin mediated proteolysis;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;Focal adhesion;NOD-like receptor;Pathways in cancer;Small cell lung cancer;
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],
Function :	disease:Defects in XIAP are the cause of lymphoproliferative syndrome X-linked type 2 (XLP2) [MIM:300635]. XLP is a rare immunodeficiency characterized by extreme susceptibility to infection with Epstein-Barr virus (EBV). Symptoms include severe or fatal mononucleosis, acquired hypogammaglobulinemia, pancytopenia and malignant lymphoma.,domain:The first BIR domain is involved in interaction with MAP3K7IP1 and is important for dimerization. The second BIR domain is sufficient to inhibit caspase-3 and caspase-7, while the third BIR is involved in caspase-9 inhibition. The interactions with SMAC and PRSS25 are mediated by the second and third BIR domains.,function:Apoptotic suppressor. Has E3 ubiquitin-protein ligase activity. Mediates the proteasomal degradation of target proteins, such as caspase-3, SMAC or AIFM1. Inhibitor of caspase-3, -7 and -9. Mediates activation of MAP3K7/TAK1, lead
Subcellular Location :	Cytoplasm. Nucleus. TLE3 promotes its nuclear localization.
Expression :	Expressed in colonic crypts (at protein level) (PubMed:30389919). Ubiquitous, except peripheral blood leukocytes (PubMed:8654366).

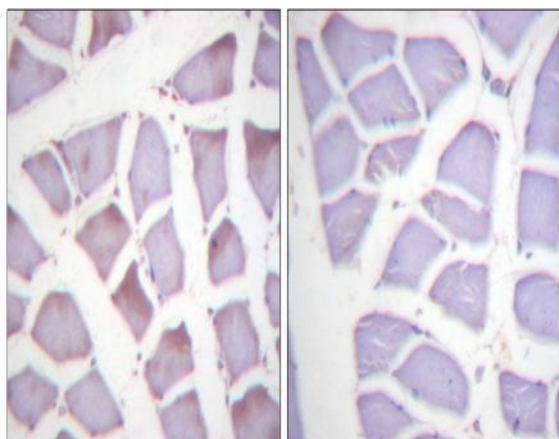
Products Images



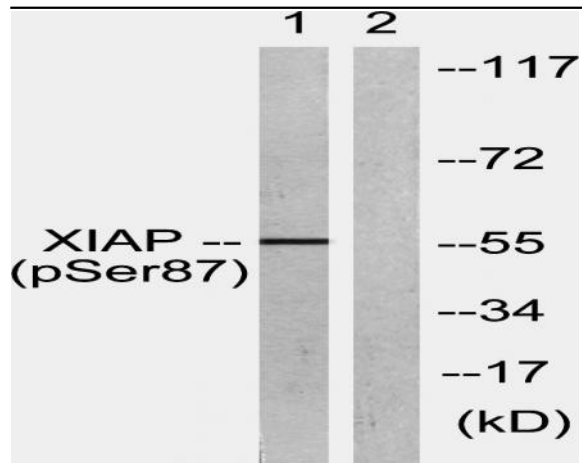
Western Blot analysis of HepG2 cells using Phospho-XIAP (S87) Polyclonal Antibody diluted at 1:500



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using XIAP (Phospho-Ser87) Antibody



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle, using XIAP (Phospho-Ser87) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from HepG2 cells treated with Anisomycin 25ug/ml 30', using XIAP (Phospho-Ser87) Antibody. The lane on the right is blocked with the phospho peptide.