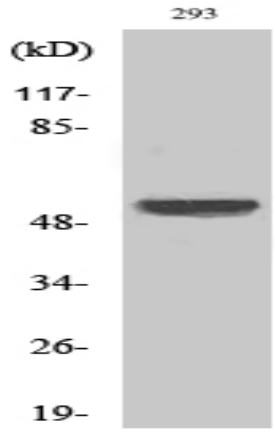
Best Tools for immunology Research

XIAP Polyclonal Antibody

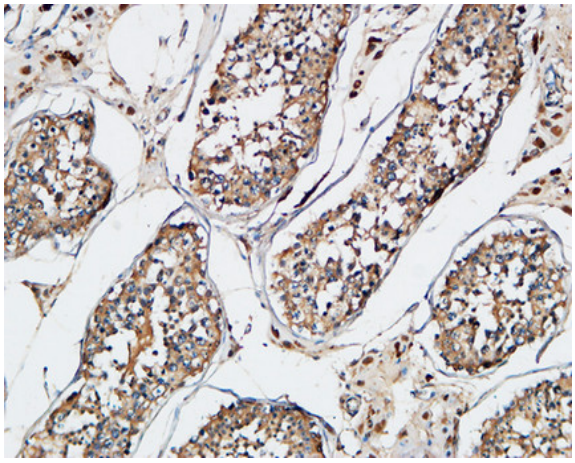
Catalog No :	YT4913
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	XIAP
Fields :	>>Platinum drug resistance;>>NF-kappa B signaling pathway;>>Ubiquitin mediated proteolysis;>>Apoptosis;>>Apoptosis - multiple species;>>Necroptosis;>>Focal adhesion;>>NOD-like receptor signaling pathway;>>Toxoplasmosis;>>Human 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. AA range:53-102
Specificity :	XIAP Polyclonal Antibody detects endogenous levels of XIAP protein.
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).

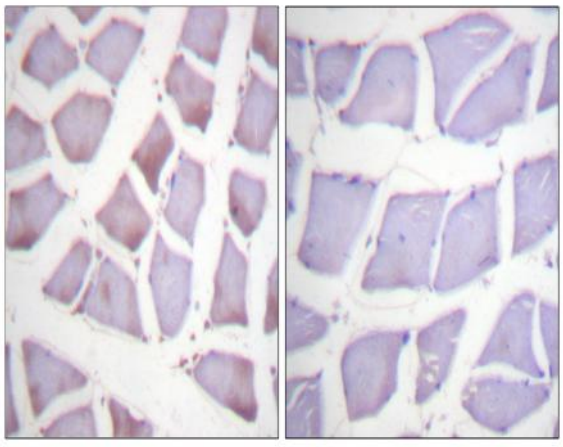
Products Images



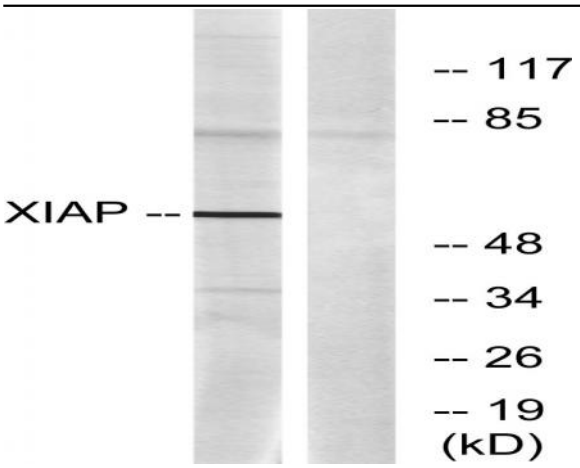
Western Blot analysis of 293 cells using XIAP Polyclonal Antibody diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Human testis. 1, Antibody was diluted at 1:200(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue, using XIAP Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293 cells, using XIAP Antibody. The lane on the right is blocked with the synthesized peptide.