

产品名称: XIAP Rabbit Polyclonal Antibody
产品货号: AP Rab19954



产品概述 (Summary)

产品名称 (Production Name)	XIAP Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	XIAP XIAP; API3; BIRC4; IAP3; E3 ubiquitin-protein ligase XIAP; 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 I
别名 (Alternative Names)	
基因 ID (Gene ID)	331.0
蛋白 ID (SwissProt ID)	P98170.The antiserum was produced against synthesized peptide derived from human XIAP. AA range:53-102

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
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蛋白分子量 (Molecular Weight) 57kDa

研究背景 (Background)

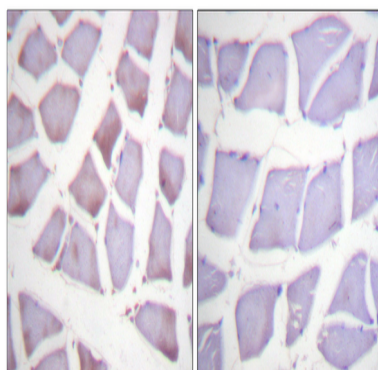
This gene encodes a protein that belongs to a family of apoptotic suppressor proteins. Members of this family share a conserved motif termed, baculovirus IAP repeat, which is necessary for their anti-apoptotic function. This protein functions through binding to tumor necrosis factor receptor-associated 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],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, leading to the activation of NF-kappa-B.,online information:XIAP mutation db,PTM:Phosphorylation by PKB/AKT protects XIAP against ubiquitination and protects the protein against proteasomal degradation.,PTM:Ubiquitinated and degraded by the proteasome in apoptotic cells.,similarity:Belongs to the IAP family.,similarity:Contains 1 RING-type zinc finger.,similarity:Contains 3 BIR repeats.,subunit:Monomer, and homodimer. Interacts with SMAC and with PRSS25; these interactions inhibit apoptotic suppressor activity. Interacts with MAP3K7IP1 and AIFM1. Interaction with SMAC hinders binding of MAP3K7IP1 and AIFM1. Interacts with TCF25.,tissue specificity:Ubiquitous, except peripheral blood leukocytes.,

研究领域 (Research Area)

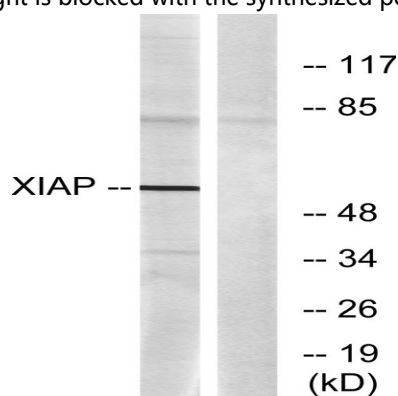
Ubiquitin mediated proteolysis;Apoptosis_Inhibition;Apoptosis_Mitochondrial;Apoptosis_Overview;Focal adhesion;NOD-like receptor;Pathways in cancer;Small cell lung cancer;

图片 (Image Data)

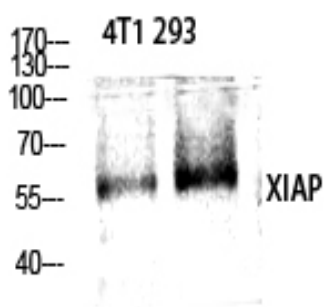
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Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue, using XIAP Antibody. The picture on the right is blocked with the synthesized peptide.

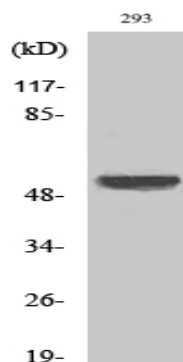


Western blot analysis of lysates from 293 cells, using XIAP Antibody. The lane on the right is blocked with the synthesized peptide.

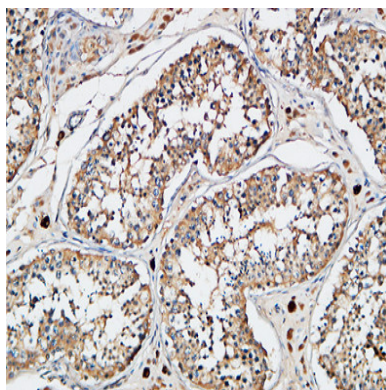


Western Blot analysis of various cells using XIAP Polyclonal Antibody diluted at 1: 1000. Secondary antibody was diluted at 1:20000

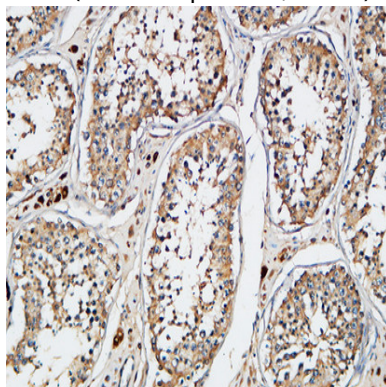
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Western Blot analysis of 293 cells using XIAP Polyclonal Antibody diluted at 1: 1000. Secondary antibody was diluted at 1:20000

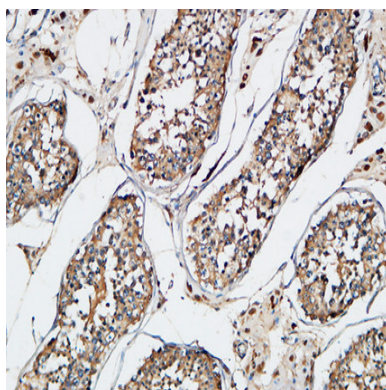


Immunohistochemical analysis of paraffin-embedded Human testis. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .

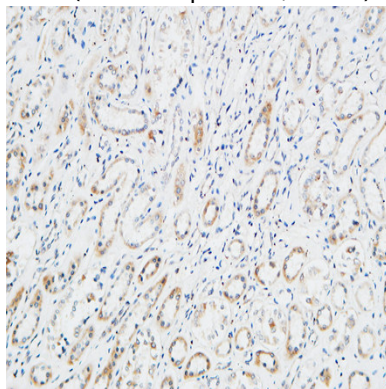


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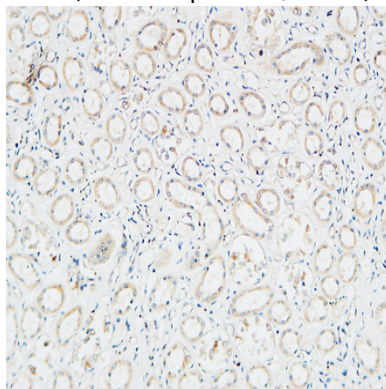
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Immunohistochemical analysis of paraffin-embedded Human kidney. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature,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



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注意事项 (Note)

For research use only .