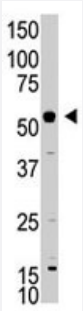
XIAP polyclonal antibody

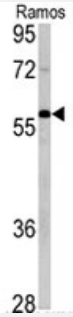
Catalog # PAB4709 Size 400 uL

Applications



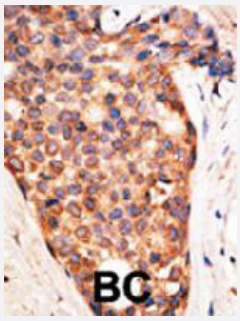
Western Blot (Tissue lysate)

The XIAP polyclonal antibody (Cat # PAB4709) is used in Western blot to detect XIAP in mouse liver tissue lysate.



Western Blot (Cell lysate)

Western blot analysis of XIAP polyclonal antibody (Cat # PAB4709) in Ramos cell lysate (35 ug/lane). XIAP (arrow) was detected using the purified polyclonal antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with XIAP polyclonal antibody (Cat # PAB4709) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated. BC = breast carcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of XIAP.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human XIAP.

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Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — XIAP

Entrez GeneID	331
Protein Accession#	NP_001158;P98170
Gene Name	XIAP

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Gene Alias	API3, BIRC4, ILP1, MIHA, XLP2
Gene Description	X-linked inhibitor of apoptosis
Omim ID	300079 300635
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of a family of proteins which inhibit apoptosis through binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2. This protein inhibits apoptosis induced by menadione, a potent inducer of free radicals, and ICE. It also inhibits at least two members of the caspase family of cell-death proteases, caspase-3 and caspase-7. [provided by RefSeq
Other Designations	OTTHUMP00000023975|OTTHUMP00000196392|apoptosis inhibitor 3|baculoviral IAP repeat-containing 4|baculoviral IAP repeat-containing protein 4

Publication Reference

- The gene expression profile of human umbilical vein endothelial cells stimulated with lipopolysaccharide using cDNA microarray analysis.

  Ahn SK, Choe TB, Kwon TJ.

  International Journal of Molecular Medicine 2003 Aug; 12(2):231.

  Application: WB, Human, HUVECs

- Inhibitor of apoptosis proteins are substrates for the mitochondrial serine protease Omi/HtrA2.

  Srinivasula SM, Gupta S, Datta P, Zhang Z, Hegde R, Cheong N, Fernandes-Alnemri T, Alnemri ES.

  The Journal of Biological Chemistry 2003 Aug; 278(34):31469.

  Application: WB-Tr, Human, HEK 293 cells

- Differential activation of apoptosis regulatory pathways during monocytic vs granulocytic differentiation: a requirement for Bcl-X(L)and XIAP in the prolonged survival of monocytic cells.

  Miranda MB, Dyer KF, Grandis JR, Johnson DE.

  Leukemia 2003 Feb; 17(2):390.

  Application: WB, Human, HL-60 cells

Pathway

- Apoptosis
- Focal adhesion

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- Pathways in cancer
- Small cell lung cancer
- Ubiquitin mediated proteolysis

Disease

- Arthritis
- Cardiovascular Diseases
- Common Variable Immunodeficiency
- Cryopyrin-associated Periodic Syndromes
- Diabetes Mellitus
- Edema
- Familial Mediterranean Fever
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Immunologic Deficiency Syndromes
- Lung Neoplasms
- Lymphoproliferative Disorders
- Mevalonate Kinase Deficiency
- Neoplasm Recurrence
- Neoplasms
- Severe Combined Immunodeficiency

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