

For Research Use Only

XIAP Monoclonal antibody

Catalog Number: 66800-1-Ig

Featured Product

12 Publications



Basic Information

Catalog Number:

66800-1-Ig

Size:

150ul, Concentration: 900 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG18088

GenBank Accession Number:

BC032729

GeneID (NCBI):

331

UNIPROT ID:

P98170

Full Name:

X-linked inhibitor of apoptosis

Calculated MW:

60 kDa

Observed MW:

57 kDa

Purification Method:

Protein G purification

CloneNo.:

2A1A12

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:250-1:1000

IF-P 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF-P, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

Human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: LNCaP cells, HEK-293 cells, HeLa cells, HepG2 cells, HEK-293T cells, Jurkat cells

IHC: human colon tissue, human lung cancer tissue

IF-P: human colon cancer tissue, human colon tissue

Background Information

XIAP, also named as API3, BIRC4 and IAP3, belongs to the IAP family. It has E3 ubiquitin-protein ligase activity. It mediates the proteasomal degradation of target proteins, such as caspase-3, SMAC or AIFM1. XIAP is an inhibitor of caspase-3, -7 and -9. It mediates activation of MAP3K7/TAK1, leading to the activation of NF-kappa-B. XIAP is an apoptotic suppressor. It is ubiquitinated and degraded by the proteasome in apoptotic cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Jingwen Tan	36208777	Chem Biol Interact	WB
Siwen Yin	35154432	Oncol Lett	WB
Yuhui Liu	33613115	Int J Biol Sci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

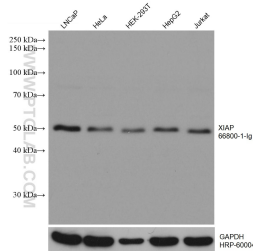
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

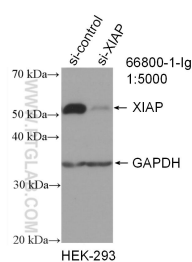
E: proteintech@ptglab.com
W: ptglab.com

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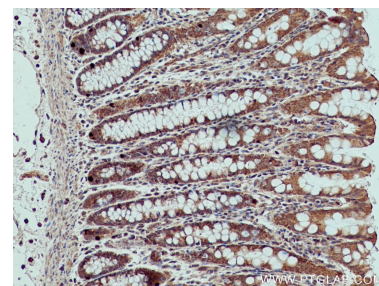
Selected Validation Data



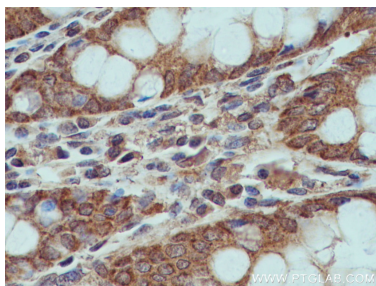
Various lysates were subjected to SDS PAGE followed by western blot with 66800-1-Ig (XIAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



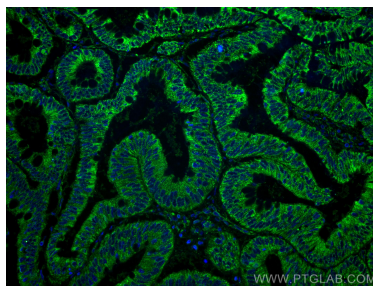
WB result of XIAP antibody (66800-1-Ig; 1:5000; incubated at room temperature for 1.5 hours) with sh-Control and sh-XIAP transfected HEK-293 cells.



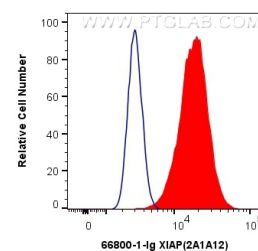
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66800-1-Ig (XIAP antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 66800-1-Ig (XIAP antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human colon cancer tissue using XIAP antibody (66800-1-Ig, Clone: 2A1A12) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human XIAP (66800-1-Ig, Clone:2A1A12) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).