

For Research Use Only

XIAP Polyclonal antibody

Catalog Number: 10037-1-Ig

Featured Product

46 Publications



Basic Information

| | | |
|---|--|--|
| Catalog Number: 10037-1-Ig | GenBank Accession Number: BC032729 | Purification Method: Protein A purification |
| Size: 150ul, Concentration: 450 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 331 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 |
| Source: Rabbit | UNIPROT ID: P98170 | |
| Isotype: IgG | Full Name: X-linked inhibitor of apoptosis | |
| Immunogen Catalog Number: AG0022 | Calculated MW: 60 kDa | |
| | Observed MW: 45-57 kDa | |

Applications

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| Tested Applications: WB, IHC, ELISA | Positive Controls: WB : RAW 264.7 cells, Jurkat cells, HepG2 cells, COLO 320 cells, HeLa cells, C6 cells, NIH/3T3 cells, Raji cells IHC : human pancreas cancer tissue, |
| Cited Applications: WB, IHC, CoIP | |
| Species Specificity: human, rat, mouse | |
| Cited Species: human, mouse, rat | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

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. The MW of XIAP is 45-56 kDa.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------|-----------|------------|-------------|
| Geyan Wu | 30254148 | Cancer Res | IHC |
| Hongtao Duan | 29151915 | Oncol Lett | WB |
| Jian Zheng | 26231038 | Oncotarget | WB |

Storage

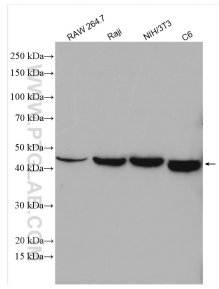
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

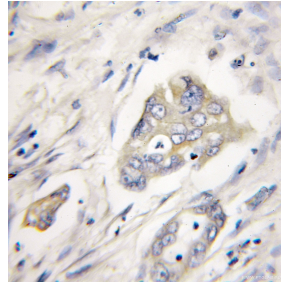
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10037-1-Ig (XIAP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 10037-1-Ig (XIAP antibody) at dilution of 1:200 (under 40x lens).