



Rabbit Anti-Human XIAP Polyclonal Antibody (CABT-L2221)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Product Overview | Polyclonal Antibody to Inhibitor Of Apoptosis Protein, X-Linked (Knockout Validated) |
| Specificity | The antibody is a rabbit polyclonal antibody raised against XIAP. It has been selected for its ability to recognize XIAP in immunohistochemical staining and western blotting. |
| Target | XIAP |
| Immunogen | Recombinant fragment corresponding to human XIAP (Met1~Ser497) |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human, Pig |
| Purification | Antigen-specific affinity chromatography followed by Protein A affinity chromatography |
| Conjugate | Unconjugated |
| Applications | WB |
| Format | Liquid |
| Concentration | Lot specific |
| Size | 200 µg |
| Buffer | Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4. |
| Preservative | 0.05% Proclin-300 |

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| Storage | Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months. |
| Ship | 4°C with ice bags |

BACKGROUND

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| Introduction | 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] |
| Keywords | BIRC4;API3;ILP1;MIHA;XLP2;Baculoviral IAP Repeat-Containing 4;E3 ubiquitin-protein ligase XIAP;IAP-like;Inhibitor of apoptosis protein 3;X-linked inhibitor of apoptosis protein |

GENE INFORMATION

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| Gene Name | XIAP X-linked inhibitor of apoptosis, E3 ubiquitin protein ligase [Homo sapiens (human)] |
| Official Symbol | XIAP |
| Synonyms | XIAP; X-linked inhibitor of apoptosis, E3 ubiquitin protein ligase; API3; ILP1; MIHA; XLP2; BIRC4; IAP-3; hIAP3; hIAP-3; E3 ubiquitin-protein ligase XIAP; X-linked IAP; IAP-like protein; inhibitor of apoptosis protein 3; baculoviral IAP repeat-containing protein 4; |
| Entrez Gene ID | 331 |
| Protein Refseq | NP_001158 |
| UniProt ID | P98170 |
| Chromosome Location | Xq25 |
| Pathway | Apoptosis; Apoptotic factor-mediated response; BMP receptor signaling; Caspase cascade in apoptosis; Disease; Focal adhesion; HTLV-I infection; Intrinsic Pathway for Apoptosis; |
| Function | cysteine-type endopeptidase inhibitor activity involved in apoptotic process; ligase activity; protein binding; ubiquitin-protein transferase activity; zinc ion binding; |