

Datasheet for ABIN7151313
anti-XIAP antibody (AA 1-200)



[Go to Product page](#)

3 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | XIAP |
| Binding Specificity: | AA 1-200 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This XIAP antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Recombinant Human E3 ubiquitin-protein ligase XIAP protein (1-200AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | Antigen Affinity Purified |

Target Details

| | |
|-------------------|--|
| Target: | XIAP |
| Alternative Name: | XIAP (XIAP Products) |
| Background: | Background: Multi-functional protein which regulates not only caspases and apoptosis, but also modulates inflammatory signaling and immunity, copper homeostasis, mitogenic kinase |

signaling, cell proliferation, as well as cell invasion and metastasis. Acts as a direct caspase inhibitor. Directly bind to the active site pocket of CASP3 and CASP7 and obstructs substrate entry. Inactivates CASP9 by keeping it in a monomeric, inactive state. Acts as an E3 ubiquitin-protein ligase regulating NF-kappa-B signaling and the target proteins for its E3 ubiquitin-protein ligase activity include: RIPK1, CASP3, CASP7, CASP8, CASP9, MAP3K2/MEKK2, DIABLO/SMAC, AIFM1, CCS and BIRC5/survivin. Ubiquitination of CCS leads to enhancement of its chaperone activity toward its physiologic target, SOD1, rather than proteasomal degradation. Ubiquitination of MAP3K2/MEKK2 and AIFM1 does not lead to proteasomal degradation. Plays a role in copper homeostasis by ubiquitination of COMMD1 and promoting its proteasomal degradation. Can also function as E3 ubiquitin-protein ligase of the NEDD8 conjugation pathway, targeting effector caspases for neddylation and inactivation. Regulates the BMP signaling pathway and the SMAD and MAP3K7/TAK1 dependent pathways leading to NF-kappa-B and JNK activation. Acts as an important regulator of innate immune signaling via regulation of Nodlike receptors (NLRs). Protects cells from spontaneous formation of the ripoptosome, a large multi-protein complex that has the capability to kill cancer cells in a caspase-dependent and caspase-independent manner. Suppresses ripoptosome formation by ubiquitinating RIPK1 and CASP8. Acts as a positive regulator of Wnt signaling and ubiquitinates TLE1, TLE2, TLE3, TLE4 and AES. Ubiquitination of TLE3 results in inhibition of its interaction with TCF7L2/TCF4 thereby allowing efficient recruitment and binding of the transcriptional coactivator beta-catenin to TCF7L2/TCF4 that is required to initiate a Wnt-specific transcriptional program.

Aliases: AP 13 antibody, API3 antibody, Apoptosis Inhibitor 3 antibody, Baculoviral IAP repeat containing 4 antibody, Baculoviral IAP Repeat Containing Protein 4 antibody, Baculoviral IAP repeat-containing protein 4 antibody, BIRC 4 antibody, BIRC4 antibody, E3 ubiquitin-protein ligase XIAP antibody, hIAP-3 antibody, hIAP3 antibody, HILP antibody, IAP 3 antibody, IAP like protein antibody, IAP-3 antibody, IAP-like protein antibody, IAP3 antibody, ILP 1 antibody, ILP antibody, ILP1 antibody, Inhibitor of apoptosis protein 3 antibody, Inhibitor of Apoptosis X Linked antibody, Mammalian IAP Homologue A antibody, MIHA antibody, X linked IAP antibody, X linked inhibitor of apoptosis antibody, X linked inhibitor of apoptosis E3 ubiquitin protein ligase antibody, X linked inhibitor of apoptosis protein antibody, X-linked IAP antibody, x-linked inhibitor of apoptosis proteins antibody, X-linked inhibitor of apoptosis protein antibody, Xiap antibody, XIAP_HUMAN antibody, XLP2 antibody

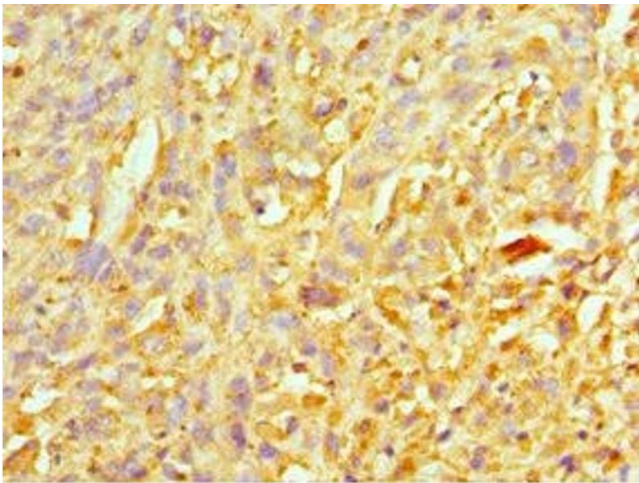
UniProt: [P98170](#)

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Transition Metal Ion Homeostasis](#)

Application Details

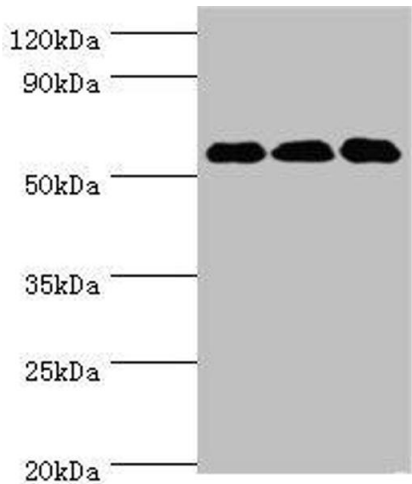
| | |
|--------------------|--|
| Application Notes: | Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200, |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |

Images



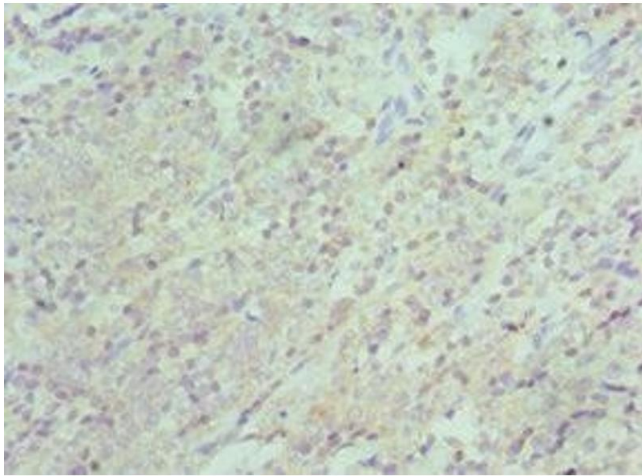
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human melanoma using ABIN7151313 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: XIAP antibody at 3 µg/mL
Lane 1: HepG2 whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: PC-3 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 57 kDa Observed band size: 57 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human colon cancer using ABIN7151313 at dilution of 1:100