# XIAP Antibody FITC Conjugated

Catalog No: #C02137F

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## Description

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| Product Name | XIAP Antibody FITC Conjugated |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Purification | Purified by Protein A. |
| Applications | Flow-Cyt IF |
| Species Reactivity | Hu Ms Rt |
| Immunogen Description | KLH conjugated synthetic peptide aa 230-280 496 derived from mouse XIAP |
| Conjugates | FITC |
| Target Name | XIAP BIRC4 |
| Other Names | Aipa; Api3; IAP3; MIHA; Birc4; ILP-1; 11115C2Rik; E3 ubiquitin-protein ligase XIAP; Baculoviral IAP repeat-containing protein 4; IAP homolog A; Inhibitor of apoptosis protein 3; IAP-3; mIAP-3; mIAP3; X-linked inhibitor of apoptosis protein; X-linked IAP; Xiap |
| Accession No. | Swiss-Prot#Q60989NCBI Gene ID11798 |
| Uniprot | Q60989 |
| GeneID | 11798; |
| Excitation Emission | 494nm 518nm |
| Cell Localization | Cytoplasm, Nucleus |
| Concentration | 1mg ml |
| Formulation | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |

## Application Details

Flow-Cyt=2ug/Test IF=1:50-200

## 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. Ubiquitinion of CCS leads to enhancement of its chaperone activity toward its physiologic target, SOD1, rather than proteasomal degradation. Ubiquitinion of MAP3K2 MEKK2 and AIFM1 does not lead to proteasomal degradation. Plays a role in copper homeostasis by ubiquitinationg 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.

Note: This product is for in vitro research use only