

Datasheet for ABIN674364  
**anti-XIAP antibody (AA 201-330)**[3 Images](#)[4 Publications](#)[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	XIAP
Binding Specificity:	AA 201-330
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XIAP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse XIAP
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	XIAP
Alternative Name:	XIAP/BIRC4 ( <a href="#">XIAP Products</a> )

## Target Details

Background:	<p>Synonyms: 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, mlAP-3, mlAP3, X-linked inhibitor of apoptosis protein, X-linked IAP, Xiap</p> <p>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.</p>
Gene ID:	11798
UniProt:	<a href="#">Q60989</a>
Pathways:	<a href="#">Apoptosis</a> , <a href="#">Caspase Cascade in Apoptosis</a> , <a href="#">Transition Metal Ion Homeostasis</a>

## Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100

## Application Details

IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Publications

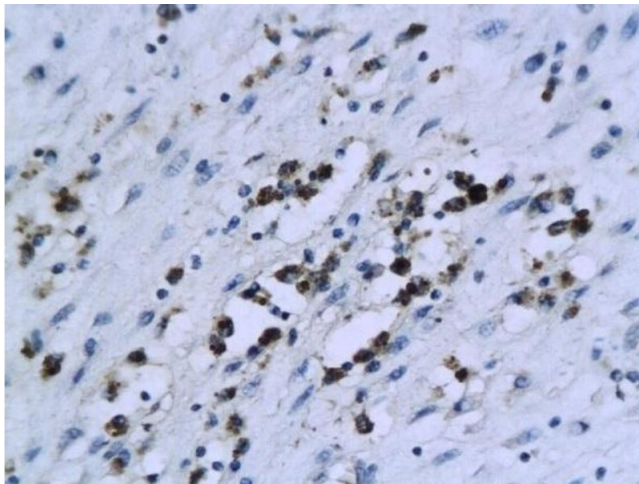
Product cited in: Sun, Liu, Zou, Lan, Sun, Wang, Zhao, Jiang, Liu: "Mechanisms underlying 3-bromopyruvate-induced cell death in colon cancer." in: **Journal of bioenergetics and biomembranes**, (2015) ([PubMed](#)).

Jin, Lan, Han, Sun, Liu, Zhang, Liu, Zhang, Hu, Liu, Wang: "Smac mimetic-induced caspase-independent necroptosis requires RIP1 in breast cancer." in: **Molecular medicine reports**, (2015) ([PubMed](#)).

Chen, Xie, Zhao, Wang, Bai, Yin, Jiang, Xie, Jia, Huang et al.: "Ampelopsin induces apoptosis by regulating multiple c-Myc/S-phase kinase-associated protein 2/F-box and WD repeat-containing protein 7/histone deacetylase 2 pathways in human lung adenocarcinoma ..." in: **Molecular medicine reports**, Vol. 11, Issue 1, pp. 105-12, (2014) ([PubMed](#)).

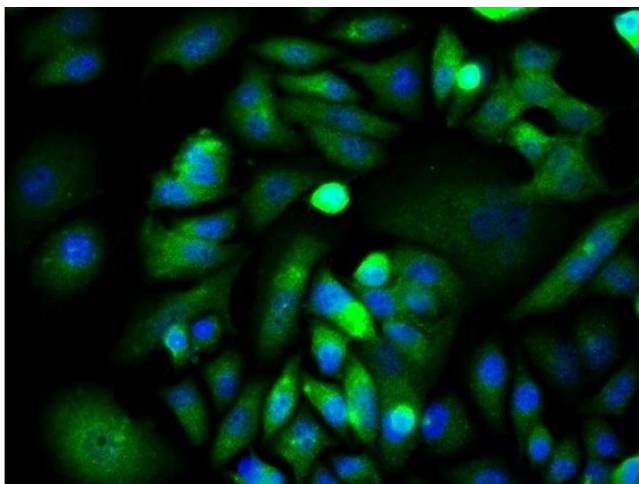
Chen, Bai, Zhong, Xie, Long, Yang, Wu, Jia, Wang: "Wogonin has multiple anti-cancer effects by regulating c-Myc/SKP2/Fbw7? and HDAC1/HDAC2 pathways and inducing apoptosis in human lung adenocarcinoma cell line A549." in: **PLoS ONE**, Vol. 8, Issue 11, pp. e79201, (2013) ([PubMed](#)).

## Images



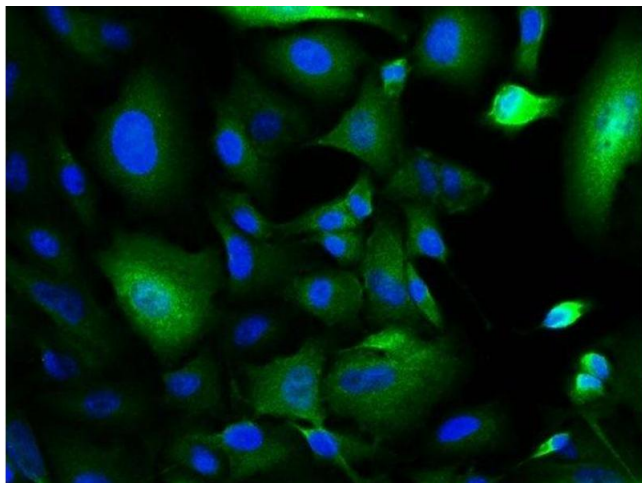
### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded human endometrial tissue labeled with Anti-XIAP/BIRC4 Polyclonal Antibody, Unconjugated (ABIN674364) followed by conjugation to the secondary antibody and DAB staining



### Immunofluorescence (Cultured Cells)

**Image 2.** Image provided by One World Lab validation program. MCF-7 cells probed with Rabbit Anti-XIAP Polyclonal Antibody at 1:50 for 60 minutes at room temperature followed by Goat Anti-Rabbit IgG (H+L) Alexa Fluor 488 Conjugated secondary antibody.



#### Immunofluorescence (Cultured Cells)

**Image 3.** Image provided by One World Lab validation program. A549 cells probed with Rabbit Anti-XIAP Polyclonal Antibody at 1:50 for 60 minutes at room temperature followed by Goat Anti-Rabbit IgG (H+L) Alexa Fluor 488 Conjugated secondary antibody.