Datasheet for ABIN7151314

anti-XIAP antibody (AA 1-497)

2 Images

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Overview

Quantity:	100 µg
Target:	XIAP
Binding Specificity:	AA 1-497
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XIAP antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human E3 ubiquitin-protein ligase XIAP protein (1-497AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G 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. 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. 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 apopotosis 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

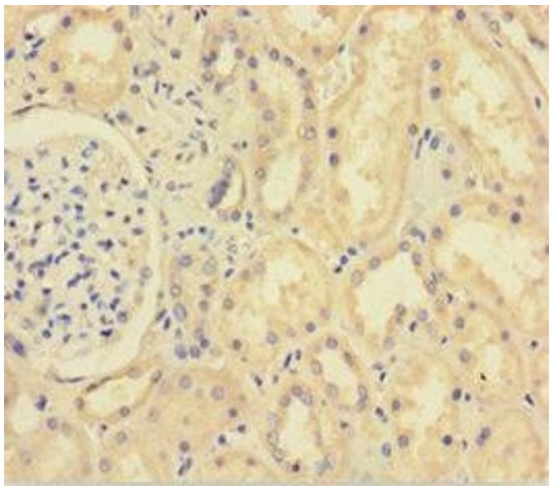
Application Details

Application Notes:	Recommended dilution: IHC:1:20-1:200,
Restrictions:	For Research Use only

Handling

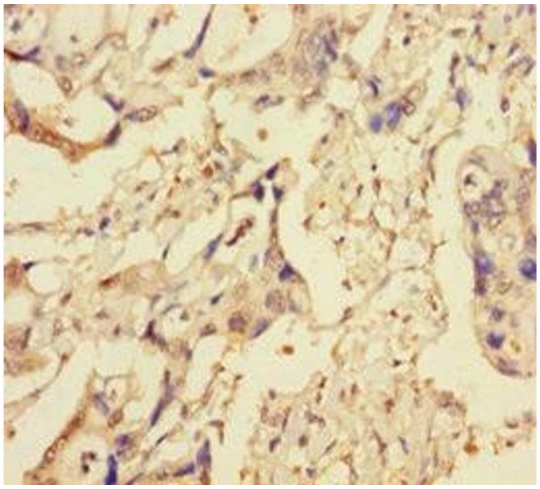
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7151314 at dilution of 1:100



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human pancreatic cancer using ABIN7151314 at dilution of 1:100