

## Livin Antibody HRP Conjugated

Catalog No: #C00419H

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## Description

Product Name	Livin Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB IHC-P IHC-F
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide aa 100-150 298 derived from human Livin
Conjugates	HRP
Target Name	Livin
Other Names	KIAP; LIVIN; MLIAP; RNF50; ML-IAP; Baculoviral IAP repeat-containing protein 7; Kidney inhibitor of apoptosis protein; Melanoma inhibitor of apoptosis protein; RING finger protein 50; BIRC7; UNQ5800 PRO19607 PRO21344
Accession No.	Swiss-Prot#Q96CA5NCBI Gene ID79444
Uniprot	Q96CA5
GeneID	79444;
Excitation Emission	N A
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

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200

## Background

Apoptotic regulator capable of exerting proapoptotic and anti-apoptotic activities and plays crucial roles in apoptosis, cell proliferation, and cell cycle control. Its anti-apoptotic activity is mediated through the inhibition of CASP3, CASP7 and CASP9, as well as by its E3 ubiquitin-protein ligase activity. As it is a weak caspase inhibitor, its anti-apoptotic activity is thought to be due to its ability to ubiquitinate DIABLO SMAC targeting it for degradation thereby promoting cell survival. May contribute to caspase inhibition, by blocking the ability of DIABLO SMAC to disrupt XIAP BIRC4-caspase interactions. Protects against apoptosis induced by TNF or by chemical agents such as adriamycin, etoposide or staurosporine. Suppression of apoptosis is mediated by activation of MAPK8 JNK1, and possibly also of MAPK9 JNK2. This activation depends on TAB1 and NR2C2 TAK1. In vitro, inhibits CASP3 and proteolytic activation of pro-CASP9. Isoform 1 blocks staurosporine-induced apoptosis. Isoform 2 blocks etoposide-induced apoptosis. Isoform 2 protects against natural killer (NK) cell killing whereas isoform 1 augments killing.

Note: This product is for in vitro research use only