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Anti-Livin Antibody
Rabbit polyclonal antibody to Livin
Catalog # AP61365

Specification

Anti-Livin Antibody - Product Information

Application	**WB**
Primary Accession	Q96CA5
Other Accession	A2AWP0
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**32798**

Anti-Livin Antibody - Additional Information

Gene ID 79444

Other Names
KIAP; LIVIN; MLIAP; RNF50; Baculoviral IAP repeat-containing protein 7; Kidney inhibitor of apoptosis protein; KIAP; Livin; Melanoma inhibitor of apoptosis protein; ML-IAP; RING finger protein 50

Target/Specificity
Recognizes endogenous levels of Livin protein.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-Livin Antibody - Protein Information

Name BIRC7

Synonyms KIAP, LIVIN, MLIAP, RNF50

Function
Apoptotic regulator capable of exerting proapoptotic and anti-apoptotic activities and plays crucial roles in apoptosis, cell proliferation, and cell cycle control (PubMed:11024045, PubMed:11084335, PubMed:11162435, PubMed:<a

href="http://www.uniprot.org/citations/16729033" target="_blank">16729033, PubMed:17294084). Its anti-apoptotic activity is mediated through the inhibition of CASP3, CASP7 and CASP9, as well as by its E3 ubiquitin-protein ligase activity (PubMed:11024045, PubMed:16729033). 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 (PubMed:16729033). May contribute to caspase inhibition, by blocking the ability of DIABLO/SMAC to disrupt XIAP/BIRC4-caspase interactions (PubMed:16729033). Protects against apoptosis induced by TNF or by chemical agents such as adriamycin, etoposide or staurosporine (PubMed:11084335, PubMed:11162435, PubMed:11865055). Suppression of apoptosis is mediated by activation of MAPK8/JNK1, and possibly also of MAPK9/JNK2 (PubMed:11865055). This activation depends on TAB1 and MAP3K7/TAK1 (PubMed:11865055). In vitro, inhibits CASP3 and proteolytic activation of pro-CASP9 (PubMed:11024045).

Cellular Location
Nucleus. Cytoplasm. Golgi apparatus. Note=Nuclear, and in a filamentous pattern throughout the cytoplasm. Full-length livin is detected exclusively in the cytoplasm, whereas the truncated form (tLivin) is found in the peri-nuclear region with marked localization to the Golgi apparatus; the accumulation of tLivin in the nucleus shows positive correlation with the increase in apoptosis

Tissue Location
Isoform 1 and isoform 2 are expressed at very low levels or not detectable in most adult tissues. Detected in adult heart, placenta, lung, lymph node, spleen and ovary, and in several carcinoma cell lines. Isoform 2 is detected in fetal kidney, heart and spleen, and at lower levels in adult brain, skeletal muscle and peripheral blood leukocytes

Anti-Livin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Livin Antibody - Images

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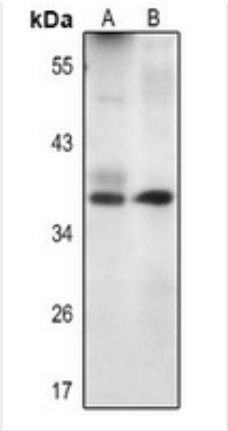

Western blot analysis of Livin expression in A549 (A), mouse lung (B) whole cell lysates.

Anti-Livin Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Livin. The exact sequence is proprietary.