

Livin Antibody

Catalog No: #24156

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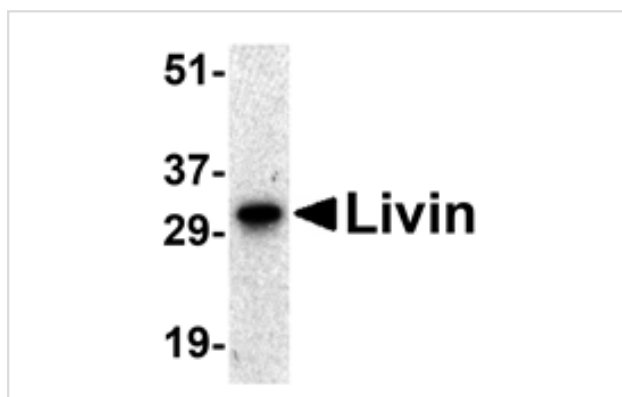
Description

Product Name	Livin Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	A lower but much weaker band at 30 kDa was detected in Raji cell lysate, which may represent the short form of Livin.
Immunogen Type	Peptide
Immunogen Description	Livin antibody was raised with a synthetic peptide corresponding to amino acids 264 to 280 of. The short form and 281 to 298 of the long form of human Livin. This sequence is identical between a and b forms of the Livin proteins.
Target Name	Livin
Other Names	KIAP
Accession No.	Swiss-Prot:Q96CA5Gene ID:79444
Uniprot	Q96CA5
GeneID	79444;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

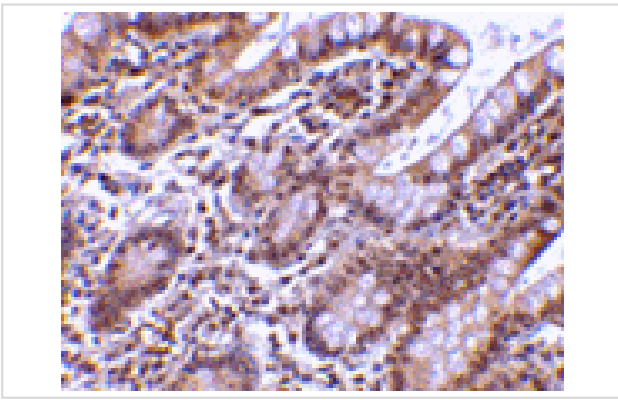
Application Details

Predicted MW: 33 kd

Images



Western blot analysis of Livin expression in human Raji cell lysate with Livin antibody at 0.5 ug/mL.



Immunohistochemistry of Livin in human small intestine tissue with Livin antibody at 5 ug/mL.

Background

Apoptosis, or programmed cell death, is related to many diseases, such as cancer. Apoptosis is triggered by a variety of stimuli including members in the TNF family and prevented by the inhibitor of apoptosis (IAP) proteins. IAP proteins form a conserved gene family that binds to and inhibits cell death proteases. A novel member in the IAP protein family was recently identified and designated Livin and KIAP for kidney IAP. Livin/KIAP contains a single baculoviral IAP repeat (BIR) domain and a RING finger domain and has two isoforms termed Livin-alpha and Livin-beta. Transfection of Livin in cells resulted in protection from apoptosis induced by FADD, BAX, RIP, RIP3 and DR6. Livin has direct interaction with several caspases including caspase-3, -7, and -9. Livin inhibits the activation of caspase-9 induced by Apaf-1, cytochrome c, and dATP. The two isoforms of Livin appear to have different functions and tissue distributions.

Note: This product is for in vitro research use only