

Anti-Livin BIRC7 Antibody

Catalog Number: A02577

About BIRC7

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/XIAP 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.

Overview

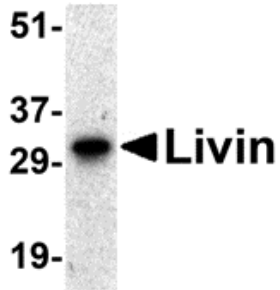
Product Name	Anti-Livin BIRC7 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Livin BIRC7 Antibody (Catalog # A02577). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	Livin Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Livin antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q96CA5

Technical Details

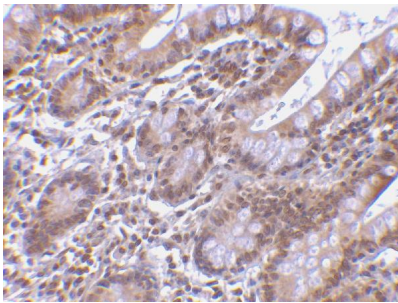
Immunogen	Livin antibody was raised against a 17 amino acid peptide near the carboxy terminus of human Livin. The immunogen is located within the last 50 amino acids of Livin.
Predicted Reactive Species	Bovine
Cross Reactivity	A lower but much weaker band at 30 kDa was detected in Raji cell lysate, which may represent the short form of Livin.
Isotype	IgG
Form	Liquid

Concentration	1 mg/ml
Purification	Livin Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	<p>Livin antibody can be used for detection of Livin by Western blot at 0.5 ug/mL. A band at 33 kDa can be detected. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL.</p> <p>Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.</p>

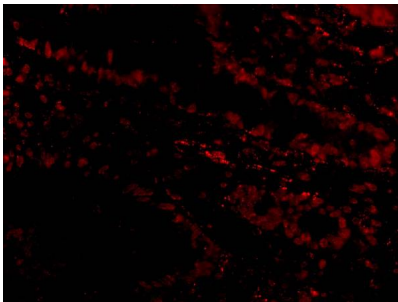
Anti-Livin BIRC7 Antibody (A02577) Images



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.



Immunofluorescence of Livin in Human Small Intestine cells with Livin antibody at 20 ug/mL.

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