

## Product datasheet for **TA306089**

### Livin (BIRC7) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 0.5 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	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 (1,3) This sequence is identical between a and b forms of the Livin proteins .
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	baculoviral IAP repeat containing 7
Database Link:	<a href="#">NP_071444</a> <a href="#">Entrez Gene 79444 Human</a> <a href="#">Q96CA5</a>



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**Background:**

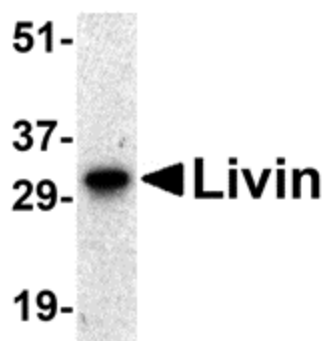
Apoptosis, or programmed cell death, is related to many diseases, such as cancer. Apoptosis is triggered by a variety of stimuli including members in the TNF family and prevented by the inhibitor of apoptosis (IAP) proteins. IAP proteins form a conserved gene family that binds to and inhibits cell death proteases. A novel member in the IAP protein family was recently identified and designated Livin and KIAP for kidney IAP (1,2). Livin/XIAP contains a single baculoviral IAP repeat (BIR) domain and a RING finger domain and has two isoforms termed Livin-a and Livin-b (1,3). Transfection of Livin in cells resulted in protection from apoptosis induced by FADD, BAX, RIP, RIP3 and DR6 (1). 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.

**Synonyms:**

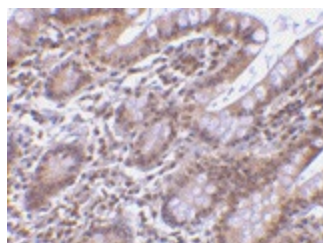
KIAP; LIVIN; ML-IAP; MLIAP; RNF50

**Protein Families:**

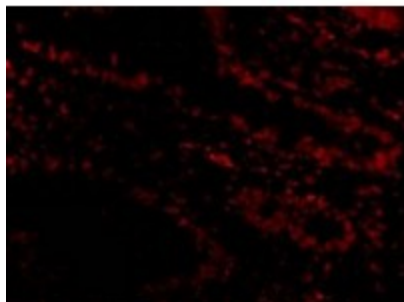
Druggable Genome

**Product 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.