



Datasheet for ABIN500182
anti-BIRC7 antibody (AA 264-280)



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2 Images

Overview

Quantity:	0.1 mg
Target:	BIRC7
Binding Specificity:	AA 264-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BIRC7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

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). .Remarks: The sequence is identical between a and b forms of the Livin proteins.
Isotype:	IgG
Specificity:	This antibody detects BIRC7 / LIVIN.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Peptide affinity chromatography

Target Details

Target:	BIRC7
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Target Details

Alternative Name: [BIRC7 / LIVIN \(BIRC7 Products\)](#)

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: Baculoviral IAP repeat-containing protein 7, KIAP, Kidney inhibitor of apoptosis protein, Livin, MLIAP, Melanoma inhibitor of apoptosis protein, RING finger protein 50, RNF50

Gene ID: 79444

NCBI Accession: [NP_071444](#)

UniProt: [Q96CA5](#)

Application Details

Application Notes: ELISA. Western blot: 2 to 4 µg/mL. Human Raji cell lysate can be used as a positive control and a band at 33 kDa can be detected. A lower but much weaker band at 30 kDa was detected in Raji cell lysate, which may represent the short form of Livin. Immunohistochemistry on paraffin sections.

Other applications not tested.

Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

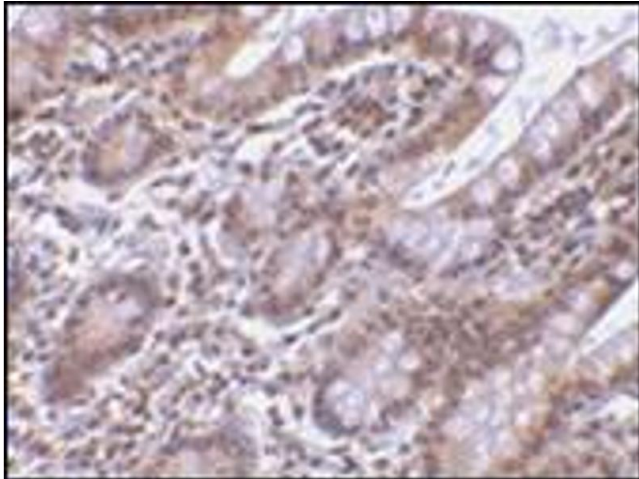
Handling

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

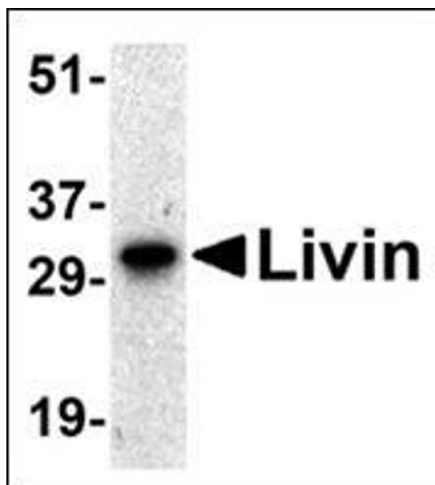
Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of Livin in human small intestine tissue with this product at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of Livin expression in human Raji cell lysate with this product at 0.5 µg/ml.