

Rabbit anti-Human BIRC7 / Livin Polyclonal Antibody | anti-BIRC7 antibody

Rabbit Polyclonal to Human BIRC7 / Livin

CATALOG # AAA50732	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

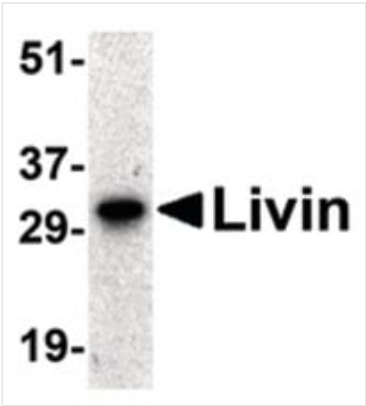
BIRC7 / Livin; Polyclonal Antibody; Rabbit Polyclonal to Human BIRC7 / Livin; Anti-BIRC7 / Livin Antibody (aa264-280) IHC-plus; BIRC7; KIAP; Livin inhibitor of apoptosis; MLIAP; ML-IAP; RNF50; RING finger protein 50; LIVIN; Human BIRC7; Livin; anti-BIRC7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	A lower but much weaker band at 30 kDa was detected in Raji cell lysate, which may represent the short form of Livin.
Purity/Purification	Peptide Column Affinity Chromatography
Form/Format	PBS, 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	280
Applicable Applications for anti-BIRC7 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic peptide from human BIRC7 / Livin. Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%); Rabbit (93%); Marmoset, Panda, Bovine (86%).
Family/Subfamily	Apoptosis
Antigen type	Synthetic Peptide
Immunogen Species	BIRC7 / Livin antibody was raised agaisnt human
Immunogen	BIRC7 / Livin antibody was raised agasint 17 AA peptide near the C-Terminus of human livin. The immunogen is located within the last 50 AA of livin
Antigen Modification	aa264-280
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB)) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at 4°C for up 3 months. Store at -20°C for up to 1 year. Avoid freeze/thaw cycles.

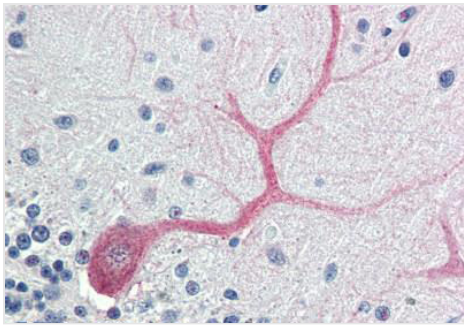
IMAGES



WB (Western Blot)
Western blot of Livin expression in human Raji cell lysate with Livin antibody at 0.5 ug/ml.



IF (Immunofluorescence)
Immunofluorescence of Livin in Human Small Intestine cells with Livin antibody at 20 ug/ml.



IHC (Immunohistochemistry)

Anti-BIRC7 / Livin antibody IHC of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-BIRC7 antibody	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.
Product Categories/Family for anti-BIRC7 antibody	Family: Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	11545910
NCBI GeneID	79444
NCBI Accession #	NP_071444.1
NCBI GenBank Nucleotide #	NM_022161.3
UniProt Accession #	Q96CA5 ; Q9BQV0 ; Q9H2A8 ; Q9HAP7
Molecular Weight	30,866 Da
NCBI Official Full Name	baculoviral IAP repeat-containing protein 7 isoform beta
NCBI Official Synonym Full Names	baculoviral IAP repeat containing 7
NCBI Official Symbol	BIRC7
NCBI Official Synonym Symbols	KIAP; LIVIN; MLIAP; RNF50; ML-IAP
NCBI Protein Information	baculoviral IAP repeat-containing protein 7; RING finger protein 50; livin inhibitor of apoptosis; kidney inhibitor of apoptosis protein; melanoma inhibitor of apoptosis protein
UniProt Protein Name	Baculoviral IAP repeat-containing protein 7
UniProt Gene Name	BIRC7
UniProt Synonym Gene Names	KIAP; LIVIN; MLIAP; RNF50; KIAP; ML-IAP; Truncated livin; p30-Livin; tLivin
UniProt Entry Name	BIRC7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/birc7-livin-antibody-western-blot-immunohistochemistry-elisa/50732>