

Rabbit Anti-Livin antibody

SL0738R

Product Name Livin

Chinese Name 凋亡抑制蛋白抗体

Alias Baculoviral IAP repeat containing 7; Baculoviral IAP repeat containing protein 7; BIRC 7; BIRC7; BIRC7_HUMAN; KIAP; Kidney inhibitor of apoptosis protein; LIVIN; Livin inhibitor of apoptosis; Melanoma inhibitor of apoptosis protein; ML IAP; MLIAP; RING finger protein 50; RNF 50; RNF50; Inhibitors of apoptosis proterins Livin.

Research Area Tumour Cell biology Signal transduction Apoptosis Cyclin

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human, Mouse, (predicted: Rat, Dog, Cow,)

Applications WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 33kDa

Cellular localization The nucleus cytoplasmic

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human Livin: 101-200/298

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

PubMed

[PubMed](#)

Livin is a novel member of the IAP protein family and contains a single baculoviral IAP repeat (BIR) domain and a RING finger domain and has two isoforms termed Livin alpha and Livin beta. The BIR domain is essential for inhibitory activity and interacts with caspases, while the RING finger domain sometimes enhances antiapoptotic activity but does not inhibit apoptosis alone. The two isoforms of Livin appear to have different functions and tissue distributions.

Function:

Protects against apoptosis induced by TNF or by chemical agents such as adriamycin, etoposide or staurosporine. Suppression of apoptosis is mediated by activation of MAPK8/JNK1, and possibly also of MAPK9/JNK2. This activation depends on TAB1 and NR2C2/TAK1. In vitro, inhibits caspase-3 and proteolytic activation of pro-caspase-9. Isoform 1 blocks staurosporine-induced apoptosis. Isoform 2 blocks etoposide-induced apoptosis.

Subcellular Location:

Nucleus. Cytoplasm. Nuclear, and in a filamentous pattern throughout the cytoplasm.

Tissue Specificity:

Isoform 1 and isoform 2 are expressed at very low levels or not detectable in most adult tissues. Detected in adult heart, placenta, lung, lymph node, spleen and ovary, and in several carcinoma cell lines. Isoform 2 is detected in fetal kidney, heart and spleen, and at lower levels in adult brain, skeletal muscle and peripheral blood leukocytes.

**Product
Detail**

Similarity:

Belongs to the IAP family.

Contains 1 BIR repeat.

Contains 1 RING-type zinc finger.

SWISS:

Q96CA5

Gene ID:

79444

Database links:

[Entrez Gene: 79444](#) Human

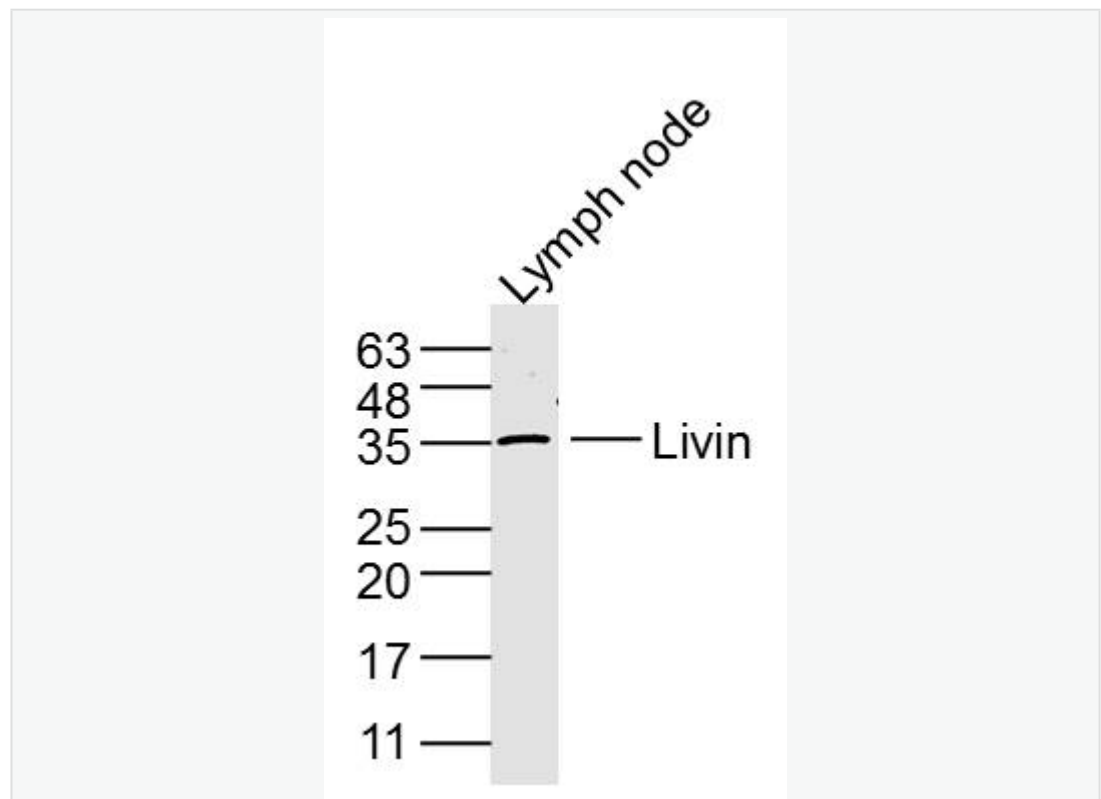
[Omim: 605737](#) Human

[SwissProt: Q96CA5](#) Human

[Unigene: 256126](#) Human

Livin—属于凋亡蛋白抑制因子家族（inhibitor of apoptosis proteins, IAP）
Livin 是凋亡抑制蛋白家族的新成员，主要通过抑制 Caspases 蛋白发挥抑制 Apoptosis 的作用,主要在胎盘组织中表达,同时在一些 Tumour 组织中呈高表达,尤其是在黑色素瘤细胞系表达水平最高。
经研究表明，Livin 与 Tumour 的发生、发展关系密切,是一个有潜在价值的 TumourMaker，此外，反义 Livin 以及 Livin 活性抑制物的研究有望成为 Tumour 治疗的新靶点。

Product
Picture



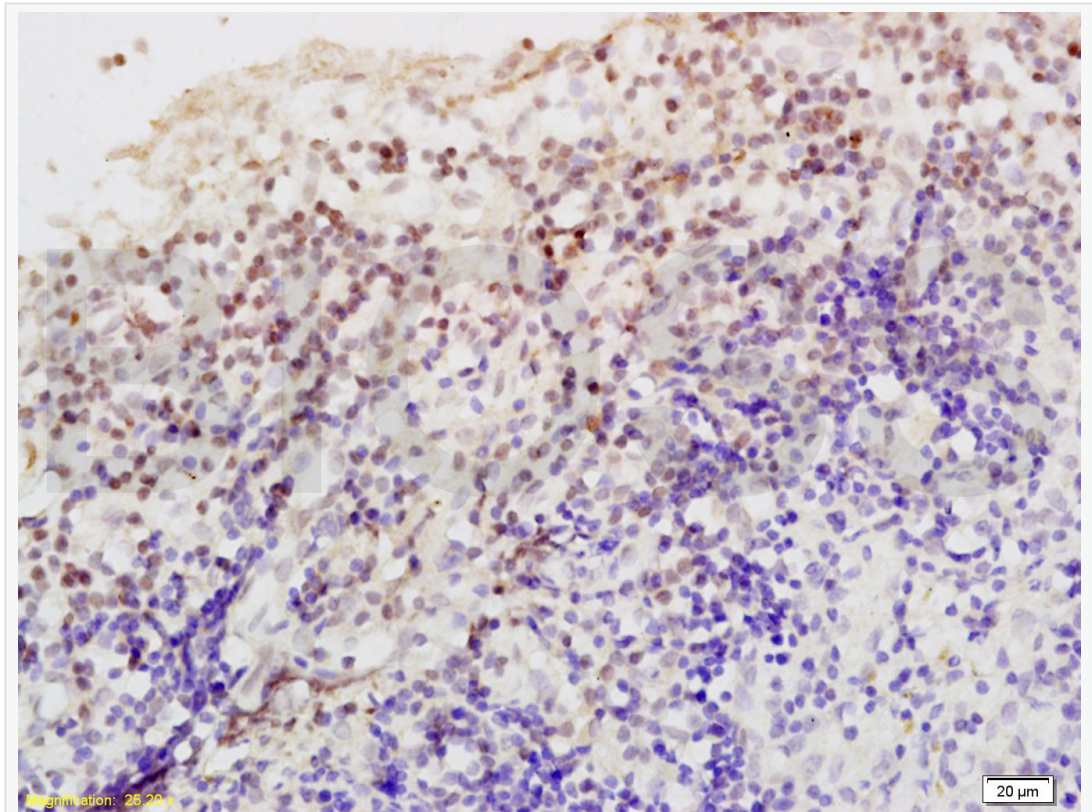
Sample:Lymph node (Mouse) Lysate at 40 ug

Primary: Anti-Livin (SL0738R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 33 kD

Observed band size: 35 kD



Tissue/cell: Human endometrium carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Livin Polyclonal Antibody, Unconjugated(SL0738R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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