

Product Datasheet

Livin Antibody - BSA Free NB100-56145

Unit Size: 0.05 ml

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 6

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NB100-56145

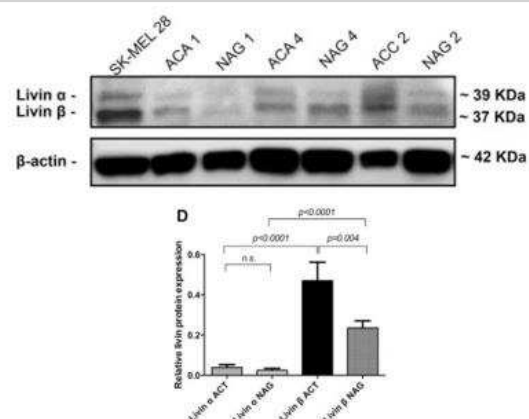
Livin Antibody - BSA Free

Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera
Target Molecular Weight	33 kDa
Product Description	
Description	Novus Biologicals Rabbit Livin Antibody - BSA Free (NB100-56145) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-Livin Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	79444
Gene Symbol	BIRC7
Species	Human, Mouse, Rat
Specificity/Sensitivity	Livin is a short-lived protein that is thought to be degraded by the ubiquitin-proteasome pathway. Thus users may want to do a time course when examining the effects of treatments on Livin expression. Users are encouraged to refer to the literature for additional information; for example, Ma et al. 2006. 2.
Immunogen	A synthetic peptide corresponding to amino acids 180-230 of human Livin, isoform alpha and isoform beta was used as immunogen (NP_647478).
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry 1:1000-1:5000, Immunoprecipitation 1:50-1:200, Immunohistochemistry-Paraffin 1:1000-1:5000
Application Notes	Livin has been shown to undergo proteolytic cleavage during apoptosis. Thus the molecular weight of Livin observed on Western blots may vary depending on the presence of absence of cleavage fragments.



Images

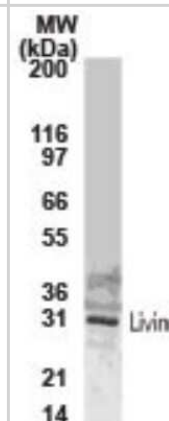
Western Blot: Livin Antibody [NB100-56145] - Western blot analysis of livin isoforms expression in three of four paired samples of tumors (2 ACA and 1 ACC) and adjacent NAG that are showed also at mRNA levels. Whole cell lysate SK-MEL 28 was used as positive control and B-actin was used as internal standard. (D) Quantitative analysis of WB bands of all 15 paired samples of tumors and corresponding NAG ($p < 0.0001$ per trend). Each bar in the histograms represents the mean of the ratio livin A or livin B signal to B-actin signal. Statistical analysis by Kruskal-Wallis test and Mann-Whitney U test. N.s. = p not significant. Image collected and cropped by Citeab from the following publication (Livin/BIRC7 expression as malignancy marker in adrenocortical tumors. Oncotarget (2017) licensed under a CC-BY license.



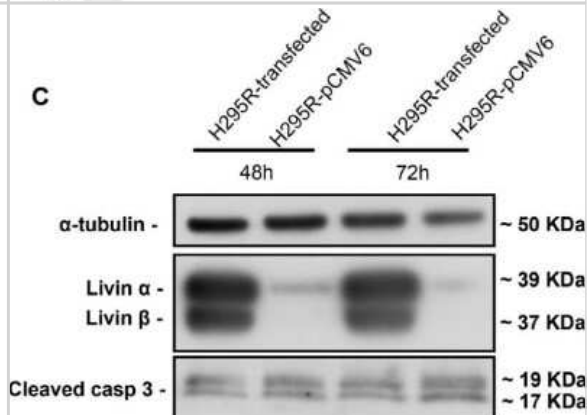
Immunohistochemistry-Paraffin: Livin Antibody [NB100-56145] - Livin staining in normal adrenal gland. Livin staining in normal adrenal gland (A). It is possible to recognize the three different zone of the adrenal gland: the zona glomerulosa (ZG), the zona fasciculata (ZF) and the zona reticularis (ZR). The Figures (B) and (C) are 20A- enlarged and detailed images of the 10A- ZG, ZF and ZR, respectively. Scale bar: 100 μ m. Image collected and cropped by Citeab from the following publication (Livin/BIRC7 expression as malignancy marker in adrenocortical tumors. Oncotarget (2017) licensed under a CC-BY license.



Western Blot: Livin Antibody [NB100-56145] - Analysis of full-length, recombinant human Livin using this antibody.



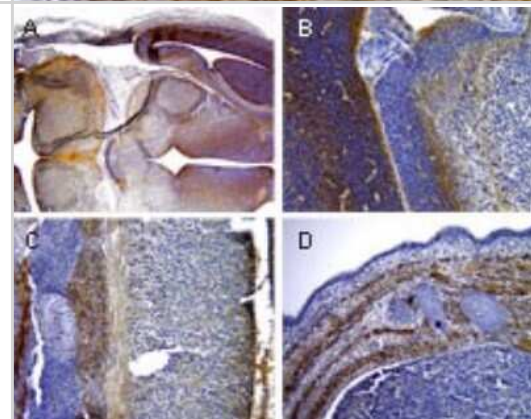
Western Blot: Livin Antibody [NB100-56145] - Effect of livin overexpression on adrenocortical cell line NCI-H295R in vitro. Relative livin mRNA levels. WB analysis showed clearly higher livin i⁺ and i² protein levels and a light decrease of cleaved caspase 3 protein levels at both 48 and 72 hours. Image collected and cropped by Citeab from the following publication (Livin/BIRC7 expression as malignancy marker in adrenocortical tumors. Oncotarget (2017) licensed under a CC-BY license.



Immunohistochemistry: Livin Antibody [NB100-56145] - Immunohistochemical analysis of Livin in formalin-fixed, paraffin embedded human tonsil (secondary nodule) using this antibody at 1:2000. Hematoxylin-eosin counterstain.



Immunohistochemistry-Paraffin: Livin Antibody [NB100-56145] - Livin Antibody [NB100-56145] - Analysis of Livin in Bouin's-fixed, paraffin-embedded E13.5 mouse embryo (13.5 days post coitum) Bouin's using this antibody at 1:2000. The mother was perfused prior to embryo harvesting. A) brain overview B) brain C) spinal cord. D) liver and abdominal wall. Hematoxylin-eosin counterstain.



Publications

Ye Z, Pan J, Yin Z et al. Dendritic cells infected with recombinant adenoviral vector encoding mouse fibroblast activation protein-? and human livin ? exert an antitumor effect against Lewis lung carcinoma in mice Immun Inflamm Dis 2023-09-27 [PMID: 37773704] (Western Blot, Human)

Altieri B, Sbiera S, Della Casa S et al. Livin/BIRC7 expression as malignancy marker in adrenocortical tumors Oncotarget 2016-12-21 [PMID: 28030838] (IHC-P, WB, Human)

Wang J, Zhang X, Wei P et al. Livin, Survivin and Caspase 3 as early recurrence markers in non-muscle-invasive bladder cancer. World J Urol 2014-03-05 [PMID: 24595485] (IHC-P, Human)

Details:

Normal bladder and non-muscle-invasive bladder cancer, Figs 1a-b, 2, Tables 1-3

Dai CH, Li J, Shi SB et al. Survivin and Smac gene expressions but not livin are predictors of prognosis in non-small cell lung cancer patients treated with adjuvant chemotherapy following surgery. Jpn J Clin Oncol. 2010-04-01 [PMID: 20056675] (IHC-P, Human)

Details:

IHC (P): Human non-small lung cancer, Figs 1 and 5; Table 1.

Liu HB, Kong CZ, Zeng Y et al. Livin may serve as a marker for prognosis of bladder cancer relapse and a target of bladder cancer treatment. Urol Oncol. 2009-05-01 [PMID: 18555709] (WB, Human)

Details:

WB: Fig 1 (human bladder cancer tissues) and Fig 2 (human livin alpha transfected human bladder cell lines, untransfected cell lines were used as a negative control). Note: the specificity of the antibody was validated by WB in human livin alpha transfect

Xie J, Xiong L, Tao X et al. Antitumor effects of murine bone marrow-derived dendritic cells infected with xenogeneic livin alpha recombinant adenoviral vectors against Lewis lung carcinoma. Lung Cancer. 2010-06-01 [PMID: 19671483] (WB)

Details:

WB (Fig 4): Lane 1, mouse dendritic cells infected with human livin alpha adenovirus (Ad) Lane 2, mock-infected mouse dendritic cells (negative control for livin expression) Lane 3, Lewis lung carcinoma mouse (LLC) cell line Note: the specificity of the a



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Products Related to NB100-56145

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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