

Product Datasheet

Livin Antibody (88C570) - BSA Free NB100-56548

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB100-56548

Livin Antibody (88C570) - BSA Free

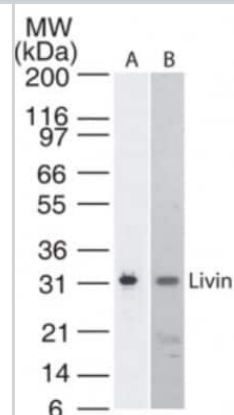
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	88C570
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS

Product Description	
Host	Mouse
Gene ID	79444
Gene Symbol	BIRC7
Species	Human
Specificity/Sensitivity	The Livin antibody, clone 88C570 has been shown to recognize both Livin alpha (~39 kDa) and Livin beta (~37 kDa) isoforms (Nachmias et al, 2003). 2. The antibody also recognizes the 30 kDa (p30-Livin alpha) and 28 kDa (p28-Livin beta) apoptotic cleavage fragments of Livin alpha and beta, respectively (Nachmias et al, 2003). Apoptotic cleavage fragments of Livin have also been referred to as truncated livin (tLivin) (Nachmias et al, 2007). 3. The specificity of the antibody has been validated using Livin shRNA (Quiping et al, 2004).
Immunogen	Recombinant human livin protein was used as immunogen.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunocytochemistry/ Immunofluorescence 2-5 ug/ml. Use reported in scientific literature (Nachmias et al (2007))

Images

Western Blot: Livin Antibody (88C570) [NB100-56548] - detection of Livin in A) Livin transfected cell lysate and B) Molt4 cell lysate. A protein band of approximate molecular weight of 31 kDa is detected using this antibody.



Publications

Wu S, Xu Q, Sheng W et al. A novel role for Livin in the response to ultraviolet B radiation and pterygium development *Int J Mol Med* 2020-01-28 [PMID: 32124942] (WB, Human)

Tchoghandjian A, Souberan A, Tabouret E et al. Inhibitor of apoptosis protein expression in glioblastomas and their in vitro and in vivo targeting by SMAC mimetic GDC-0152 *Cell Death Dis* 2016-08-05 [PMID: 27490930] (WB, Human)

Crnkovic-Mertens I, Wagener N, Semzow J et al. Targeted inhibition of Livin resensitizes renal cancer cells towards apoptosis. *Cell Mol Life Sci*. 2007-05-01 [PMID: 17437058] (Human)

Gordon G J, Mani M, Mukhopadhyay L et al. Inhibitor of apoptosis proteins are regulated by tumour necrosis factor-alpha in malignant pleural mesothelioma. *J Pathol*. 2007-03-01 [PMID: 17253597] (Human)

Gordon G J, Mani M, Mukhopadhyay L et al. Expression patterns of inhibitor of apoptosis proteins in malignant pleural mesothelioma. *J Pathol*. 2007-03-01 [PMID: 17253596] (Human)

Shiloach T, Berens C, Danke C et al. tLivin Displays Flexibility by Promoting Alternative Cell Death Mechanisms. *PLoS ONE*. 2014-06-25 [PMID: 24960127] (WB, Human)

Details:

Figs 1B, 2A, 2B, 3B, 3C, 5C, 6C: Mela1, 293T, or A549 cells transfected with truncated Livin (tLivin) constructs. The specificity of the Livin mAb was validated in tLivin transfected cells by WB in Figs 1B, 2A, 2B, 3B, 3C, 5C, 6C.

Lazar I, Yaacov B, Shiloach T et al. The oncolytic activity of Newcastle disease virus NDV-HUJ on chemoresistant primary melanoma cells is dependent on the proapoptotic activity of the inhibitor of apoptosis protein Livin. *J Virol*. 2010-01-01 [PMID: 19864394] (WB, Human)

Details:

WB (primary human melanoma cells); Figs 1a, 2, 3, 4a. Note: The specificity of the livin antibody was validated using livin siRNA in Fig 4a.

Qiuping Z, Jei X, Youxin J et al. CC chemokine ligand 25 enhances resistance to apoptosis in CD4+ T cells from patients with T-cell lineage acute and chronic lymphocytic leukemia by means of livin activation. *Cancer Res*. 2004-10-15 [PMID: 15492285] (WB)

Details:

mAB-Livin (IMG-347A) [WB, Fig 2BC (CD4 and CD8 double-positive thymocytes, T-ALL and T-CLL CD4+ T cells, and MOLT4 cells.)], [WB, Fig 3C-E].

Choi J, Hwang YK, Sung KW et al. Expression of Livin, an antiapoptotic protein, is an independent favorable prognostic factor in childhood acute lymphoblastic leukemia. *Blood*. 2007-01-15 [PMID: 16990595] (WB)

Details:

WB: Whole cell lysate from patients with acute lymphoblastic leukemia (ALL), Fig 2.

Lazar I, Perlman R, Lotem M et al. The clinical effect of the inhibitor of apoptosis protein livin in melanoma. *Oncology*. 2012-01-01 [PMID: 22441029]

Nachmias B, Lazar I, Elmalech M et al. Subcellular localization determines the delicate balance between the anti- and pro-apoptotic activity of Livin. *Apoptosis*. 2007-07-01 [PMID: 17294084] (WB, ICC/IF)

Details:

WB (Figs. 2, 4b, c; 5c, 6a); IF/ICC (Fig 6b, c). Notes: 1. Cells transfected with Livin full-length and truncated constructs were used in this study (all Figures) 2. The antibody is transfected validated by WB for recognition of Livin a, p30-Livin a, Livi

Fakler M, Loeder S, Vogler M et al. Small molecule XIAP inhibitors cooperate with TRAIL to induce apoptosis in childhood acute leukemia cells and overcome Bcl-2-mediated resistance. *Blood*. 2009-02-19 [PMID: 19036706] (WB, Human)

Details:

WB (human leukemia cell lines), Fig. 1A.



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NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NB100-56548B	Livin Antibody (88C570) [Biotin]

Limitations

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