

Product Datasheet

Survivin Antibody - BSA Free NB100-56167

Unit Size: 0.05 ml

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

www.novusbio.com



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Publications: 6

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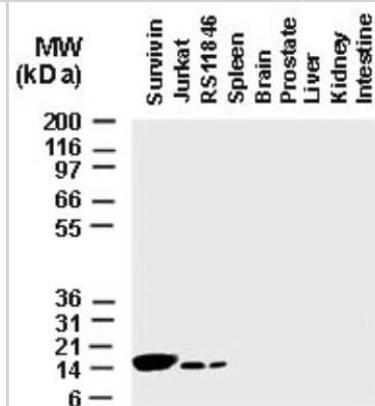
NB100-56167

Survivin Antibody - BSA Free

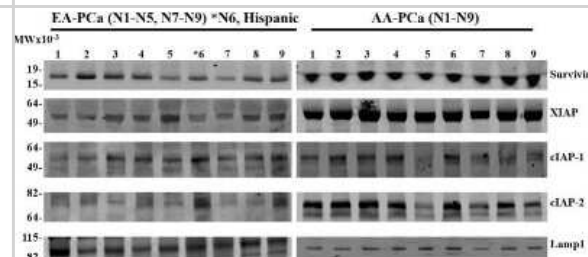
Product Information	
Unit Size	0.05 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Unpurified
Buffer	Whole antisera
Target Molecular Weight	16 kDa
Product Description	
Description	Novus Biologicals Rabbit Survivin Antibody - BSA Free (NB100-56167) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-Survivin Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	332
Gene Symbol	BIRC5
Species	Human, Mouse, Rat, Gerbil
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: guinea pig (87%). Rat reactivity reported in scientific literature (PMID: 18358624). Mouse reactivity reported in scientific literature (PMID: 28011476). Human reactivity reported in scientific literature (PMID: 24916171).
Immunogen	This Survivin Antibody was developed against full-length recombinant human survivin protein.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:2000, Immunohistochemistry 1:10-1:500. Use reported in scientific literature (PMID 24916171), Immunocytochemistry/Immunofluorescence 1:500, Immunoprecipitation 1:50-1:200, Immunohistochemistry-Paraffin 1:1000-1:5000, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

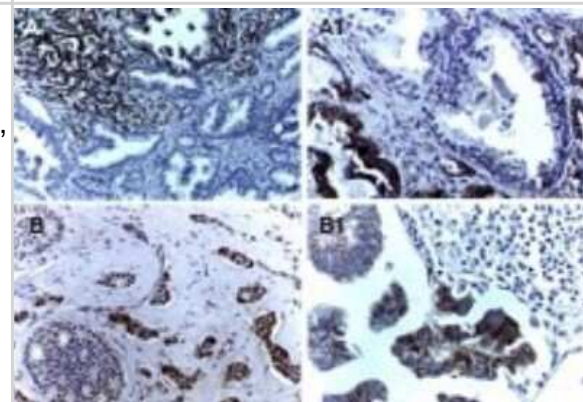
Western Blot: Survivin Antibody [NB100-56167] - Analysis of Survivin using [NB100-56167]. Survivin was detected in the two tumor cell lines, Jurkat (T cell lymphoma) and RS11846 (non-Hodgkin's lymphoma), but not in lysates from normal tissues. Survivin RP, full-length recombinant human survivin protein was used as a positive control. Bands observed slightly lower than the theoretical molecular weight, 16 kDa.



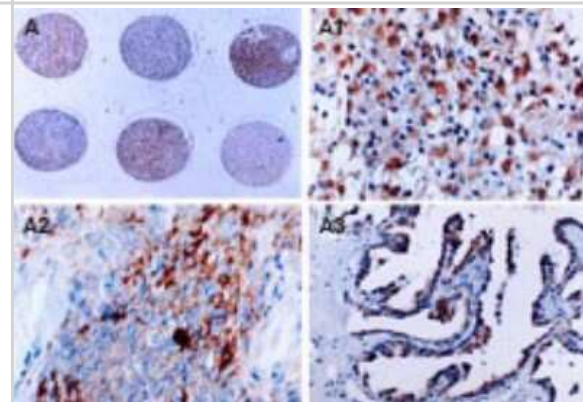
Survivin-Antibody-Western-Blot-NB100-56167-img0006.jpg



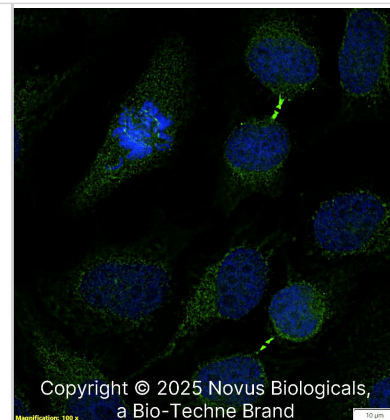
Immunohistochemistry: Survivin Antibody [NB100-56167] - Immunohistochemical analysis of Survivin in formalin-fixed paraffin-embedded human prostate and breast cancer using Survivin Antibody [NB100-56167]. A and A1, prostate cancer at low and high magnification, respectively. B and B1, breast cancer. B1 is a high magnification of an area of metastasis. Hematoxylin-eosin counterstain.



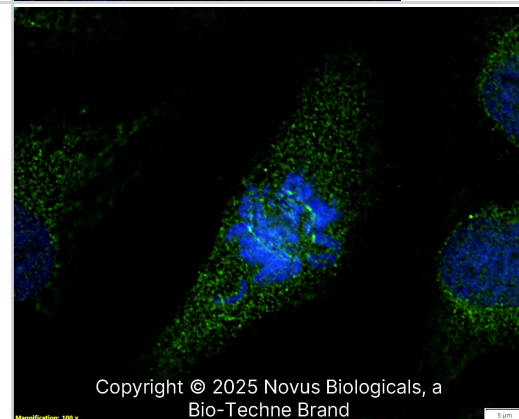
Immunohistochemistry-Paraffin: Survivin Antibody [NB100-56167] - Analysis of Survivin in a formalin-fixed paraffin-embedded human brain tissue microarray using Survivin Antibody [NB100-56167]. A. Differential expression of Survivin in brain tumors from six different patients. A1-A3, high magnification from A. A1, gemistocytic astrocytoma. A2, medulloblastoma. A3, choroid plexus papilloma. Hematoxylin-eosin counterstain.



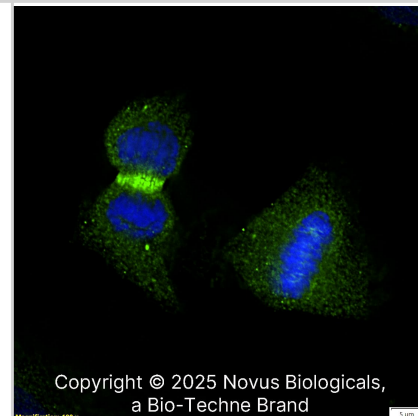
Survivin was detected in immersion fixed HeLa human cervix adenocarcinoma cell line using Rabbit anti-Survivin Whole Serum (Catalog # NB100-56167) at a 1:500 dilution overnight at 4C. Cells were stained using DyLight 488-conjugated Anti-Rabbit IgG (H+L) Cross-Absorbed Secondary Antibody (green), and counterstained with DAPI (blue). Cells were imaged using a 100X objective and digitally deconvolved.



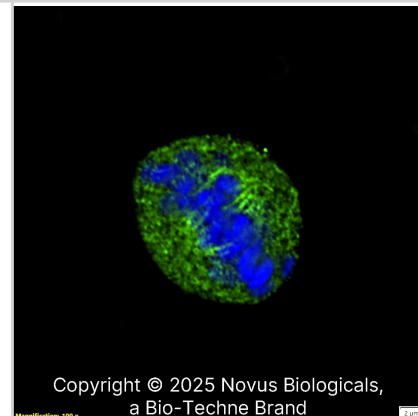
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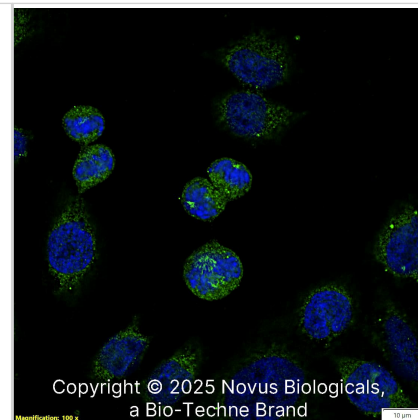
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Survivin was detected in immersion fixed CHO-K1 Chinese hamster ovary epithelium cell line using Rabbit anti-Survivin Whole Serum (Catalog # NB100-56167) at a 1:500 dilution overnight at 4C. Cells were stained using DyLight 488-conjugated Anti-Rabbit IgG (H+L) Cross-Absorbed Secondary Antibody (green), and counterstained with DAPI (blue). Cells were imaged using a 100X objective and digitally deconvolved.

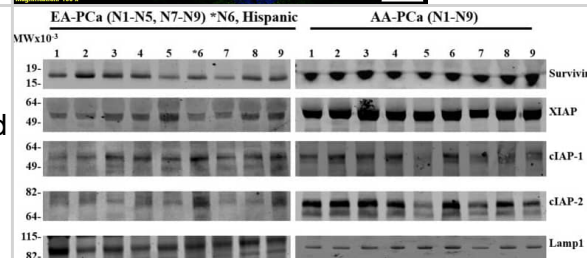


Survivin was detected in immersion fixed CHO-K1 Chinese hamster ovary epithelium cell line using Rabbit anti-Survivin Whole Serum (Catalog # NB100-56167) at a 1:500 dilution overnight at 4C. Cells were stained using DyLight 488-conjugated Anti-Rabbit IgG (H+L) Cross-Absorbed Secondary Antibody (green), and counterstained with DAPI (blue). Cells were imaged using a 100X objective and digitally deconvolved.



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Representative Western blots showing the IAP levels in EV derived from individual European American (EA) (N1-N5) & (N7-N9), *N6 and African American (AA) (N1-N9) patients with prostate cancer (PCa). Specific antibodies against Survivin, XIAP, cIAP-1, cIAP-2, and Lamp1 were used for the Western blotting analysis of total exosomal proteins. The blots from both patient groups were processed under identical conditions; Lamp 1 was used as loading control. (*N6, Hispanic.) (Both blots were done side by side in the same gel running and transferring apparatus, blocking, washing buffers, and antibody incubations were done in the same time, in the same incubating trays under the identical exposure to keep the consistencies.) Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/28981528>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

S Khan, J Simpson, JC Lynch, D Turay, S Mirshahidi, A Gonda, TW Sanchez, CA Casiano, NR Wall Racial differences in the expression of inhibitors of apoptosis (IAP) proteins in extracellular vesicles (EV) from prostate cancer patients PLoS ONE, 2017-10-05;12(10):e0183122. 2017-10-05 [PMID: 28981528] (Immunohistochemistry, Rat)

Li Y, Wang K, Song N, et al. Activation of IGF-1R pathway and NPM-ALK G1269A mutation confer resistance to crizotinib treatment in NPM-ALK positive lymphoma Invest New Drugs 2019-06-08 [PMID: 31177400]

Nitta T, Koike H, Miyao T et al. YM155 Reverses Statin Resistance in Renal Cancer by Reducing Expression of Survivin. Anticancer Res. 2017-01-01 [PMID: 28011476] (Mouse)

Koike Hidekazu, Morikawa Yasuyuki, Sekine Yoshitaka et al. Survivin is associated with cell proliferation and has a role in 1 α ,25-dihydroxyvitamin D3 induced cell growth inhibition in prostate cancer. J Urol. 2011-04-01 [PMID: 21334676] (Human)

Koike H, Nitta T, Sekine Y et al. YM155 reverses rapamycin resistance in renal cancer by decreasing survivin J. Cancer Res. Clin. Oncol. 2014-06-11 [PMID: 24916171] (IF/IHC, Human)

Details:

Antibody used for IHC on Caki-1-RapR xenograft tumors using rapamycin-resistant clear cell carcinoma cell line, Caki-1-RapR - primary used at 1:3000 dilution and detected via biotinylated anti-rabbit IgG secondary - streptavidin-biotin -DAB method.

Villapol S, Acarin L, Faiz M et al. Survivin and heat shock protein 25/27 colocalize with cleaved caspase-3 in surviving reactive astrocytes following excitotoxicity to the immature brain. Neuroscience. 2008-04-22 [PMID: 18358624] (IF/IHC, Rat)

Details:

IHC (frozen): rat brain tissue, Figs. 1A-I, 2A-G.



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Products Related to NB100-56167

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

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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