

# Product Datasheet

## Survivin Antibody Pack NB100-911-1Pack

Unit Size: 5 Vials

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 10/23/2024 v.20.1

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**NB100-911-1Pack**

## Survivin Antibody Pack

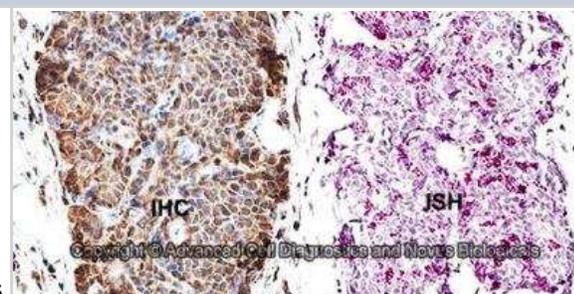
Product Information	
<b>Unit Size</b>	5 Vials
<b>Concentration</b>	Concentration of individual antibodies may be found on the vial label. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

Product Description	
<b>Description</b>	This pack contains 1 vial each of: NB500-201 (0.1 mL), NB500-237 (0.1 mL) and NB500-238 (0.1 mL).
<b>Gene ID</b>	332
<b>Gene Symbol</b>	BIRC5
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	See individual datasheets of components for their validated species
<b>Marker</b>	Astrocyte Marker
<b>Immunogen</b>	See individual datasheets.
<b>Kit Components</b>	NB500-238: Survivin Antibody (60.11) - BSA Free, NB500-201: Survivin Antibody - BSA Free, NB500-237: Survivin Antibody (32.1) - BSA Free, HAF007: Goat anti-Mouse IgG Secondary Antibody [HRP], HAF008: Goat anti-Rabbit IgG Secondary Antibody [HRP]

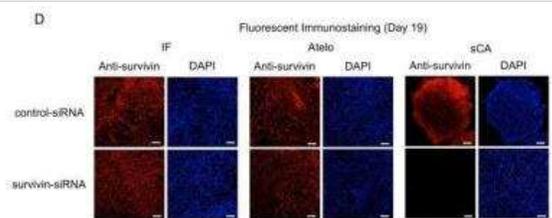
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
<b>Application Notes</b>	See individual datasheets of components for their validated applications

**Images**

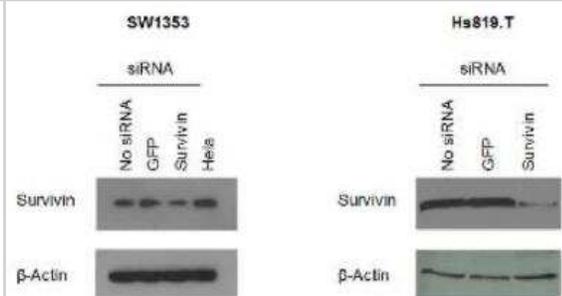
Dual RNAScope ISH-IHC: Survivin Antibody Pack [NB100-911] - Formalin-fixed paraffin-embedded tissue sections of human esophagus squamous cell carcinoma were probed for Survivin mRNA (ACD RNAScope Probe, [465361]; Fast Red chromogen, ACD [322360]). Adjacent tissue section was processed for immunohistochemistry using rabbit polyclonal [NB500-201] at 1.5ug/mL with overnight incubation at 4 degrees Celsius followed by incubation with anti-rabbit IgG VisUCyte HRP Polymer Antibody [VC003] and DAB chromogen (yellow-brown). Tissue was counterstained with hematoxylin (blue). Specific staining was localized to tumor cells.



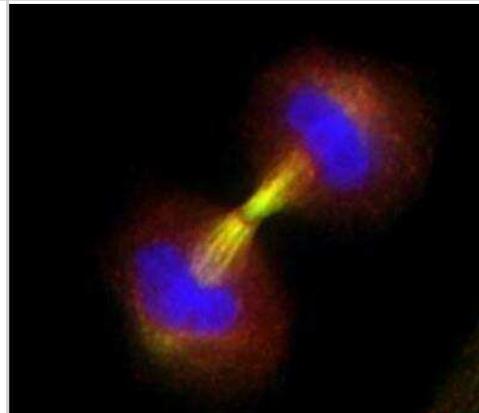
Immunocytochemistry/ Immunofluorescence: Survivin Antibody Pack [NB100-911] - Anti-tumor effects and functional evidence of sCA-survivin-siRNA in HCT116 and HT29 solid tumor models. Immunostaining of survivin in the tumor tissues on day 19 using [NB500-201]. Scale bar, 50  $\mu$ m. Image collected and cropped by CiteAb from the following publication ([//dx.plos.org/10.1371/journal.pone.0116022](https://doi.org/10.1371/journal.pone.0116022)) licensed under a CC-BY license.



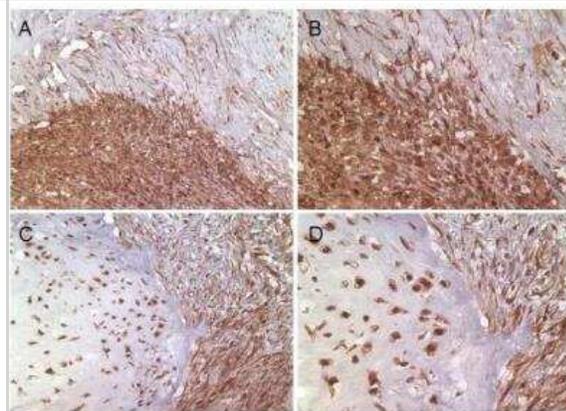
Western Blot: Survivin Antibody Pack [NB100-911] - Suppression of survivin expression by transfection of siRNA. RNA interference was performed in SW1353 and Hs 819.T, either for GFP as control or for survivin. A: A pronounced decrease of survivin protein levels was measured by immunoblotting in SW1353 and Hs819.T. Image collected and cropped by CiteAb from the following publication ([//bmccancer.biomedcentral.com/articles/10.1186/1471-2407-11-120](https://doi.org/10.1186/1471-2407-11-120)), licensed under a CC-BY license. Survivin Antibody (60.11) [NB500-238]



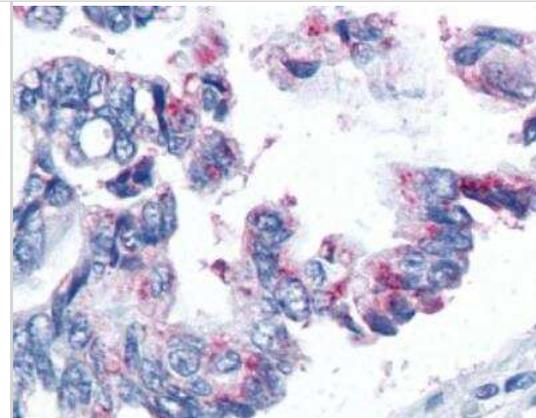
Immunocytochemistry/Immunofluorescence: Survivin Antibody Pack [NB100-911] - Analysis using the HRP conjugate of [NB500-201]. Staining of Telophase with accumulation of survivin in the midbodies of two daughter cells. Survivin detection using [NB500-201].



Immunohistochemistry: Survivin Antibody Pack [NB100-911] - Low-power image of human high-grade chondrosarcoma displays strong cellular expression of survivin protein (A). High-power magnification reveals the predominantly cytoplasmic staining, although strong nuclear signals are detectable (B). Other specimen of a grade III chondrosarcoma stained with monoclonal antibody, shows a similar pattern of staining (C and D). For A and B the polyclonal rabbit anti-survivin antibody [AF886] was used. For C and D the monoclonal mouse Survivin Antibody (60.11) [NB500-238] was used. Image collected and cropped by CiteAb from the following publication ([//bmccancer.biomedcentral.com/articles/10.1186/1471-2407-11-120](https://doi.org/10.1186/1471-2407-11-120)), licensed under a CC-BY license.



Immunohistochemistry-Paraffin: Survivin Antibody Pack [NB100-911] - Immunohistochemical staining of formalin-fixed paraffin-embedded human lung cancer tissue using Survivin Antibody (32.1) [NB500-237].



## Publications

Suceveanu A, Micu I, Baltatescu G, et al. Overexpression of Survivin $\square$ 1, TAG $\square$ 72 and HERC5 in patients diagnosed with hepatocellular carcinoma in the Black Sea coast geographical area *Experimental and Therapeutic Medicine* 2021 -01-26 [PMID: 33603891] (IHC-P, Human)

Paduano, F et al. Silencing of survivin gene by small interfering RNAs produces supra-additive growth suppression in combination with 17-allylamino-17-demethoxygeldanamycin in human prostate cancer cells. *Mol Cancer Ther*;5 (1):179-86. 2006-01-01 [PMID: 16432177]

Xia, F et al. Mitosis-independent survivin gene expression in vivo and regulation by p53. *Cancer Res*;66(7):3392-5. 2006-04-01 [PMID: 16585159]

Fortugno P, Beltrami E, Plescia et al. Regulation of survivin function by Hsp90. *Proc Natl Acad Sci U S A*. 2003-11-25 [PMID: 14614132]

Robles, Ana I et al. Schedule-dependent synergy between the heat shock protein 90 inhibitor 17-(dimethylaminoethylamino)-17-demethoxygeldanamycin and doxorubicin restores apoptosis to p53-mutant lymphoma cell lines. *Clin Cancer Res*;12(21):6547-56. 2006-11-01 [PMID: 17085670]

Niedbala, W et al. Nitric oxide induces CD4+CD25+ Foxp3 regulatory T cells from CD4+CD25 T cells via p53, IL-2, and OX40. *Proc Natl Acad Sci U S A* 104(39):15478-83. 2007-09-25 [PMID: 17875988]

Hahn, Joo-Yong et al. Beta-catenin overexpression reduces myocardial infarct size through differential effects on cardiomyocytes and cardiac fibroblasts. *J Biol Chem*;281(41):30979-89. 2006-10-13 [PMID: 16920707]



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### **Products Related to NB100-911-1Pack**

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NB110-92717PEP	Survivin Antibody Blocking Peptide
DVE00	VEGF [HRP]
NB500-201	Survivin Antibody - BSA Free
AF835	Caspase-3 Antibody [Unconjugated] - Active

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### **Limitations**

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

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NB100-911](http://www.novusbio.com/reviews/submit/NB100-911)

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