

# Product Datasheet

## Survivin Antibody (1277A) - BSA Free NBP2-59503

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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**NBP2-59503**

Survivin Antibody (1277A) - BSA Free

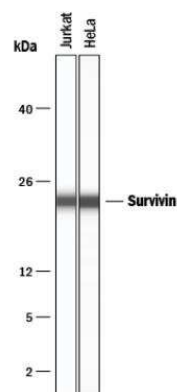
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1277A
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Protein A or G purified from cell culture supernatant
Buffer	PBS
Target Molecular Weight	16 kDa

Product Description	
Host	Rabbit
Gene ID	332
Gene Symbol	BIRC5
Species	Human
Immunogen	This Recombinant Survivin Antibody (1277A) was developed against full length recombinant human Survivin [Uniprot: O15392]

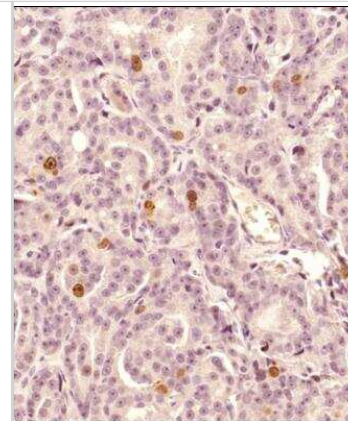
Product Application Details	
Applications	Western Blot, Simple Western, Flow (Intracellular), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 - 2 ug/ml, Simple Western 10 ug/ml, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1 - 5 ug/ml, Immunohistochemistry-Paraffin 2 ug/ml, Flow (Intracellular) 1 - 2.5 ug/mL

**Images**

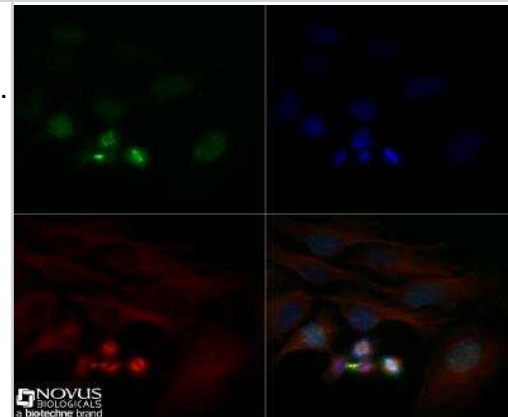
Simple Western: Survivin Antibody (1277A) [NBP2-59503] - Lane view shows lysates of Jurkat human acute T cell leukemia cell line and HeLa human cervical epithelial carcinoma cell line, loaded at 0.2 mg/mL. A specific band was detected for Survivin at approximately 23 kDa (as indicated) using 10 ug/mL of Rabbit Anti-Human Monoclonal Survivin Antibody [NBP2-59503]. This experiment was conducted under reducing conditions and using the 2-40 kDa separation system.



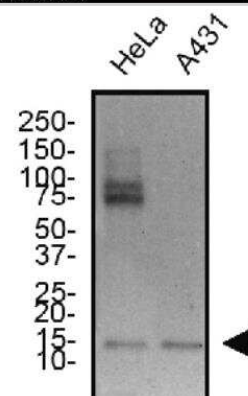
**Immunohistochemistry-Paraffin: Survivin Antibody (1277A) [NBP2-59503]** - Analysis of a formalin-fixed paraffin-embedded (FFPE) human prostate cancer tissue with rabbit monoclonal Survivin Antibody [NBP2-59503] at 2 ug/ml concentration. The staining was developed with HRP-DAB detection method and the sections were counterstained using hematoxylin. This Survivin antibody generated an expected nuclear cytoplasmic immunostaining in a subset of cancer cells, which are potentially the proliferating cells.



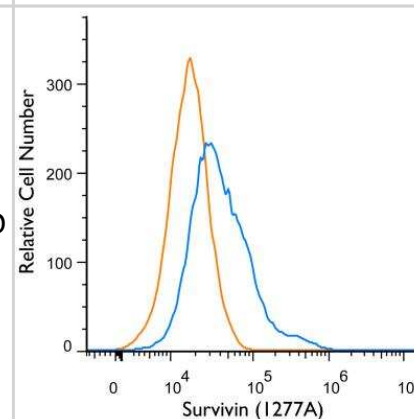
**Immunocytochemistry/Immunofluorescence: Survivin Antibody (1277A) [NBP2-59503]** - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with Survivin Antibody (1277A) [NBP2-59503] at 2 ug/ml overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at a 1:500 dilution. Alpha tubulin (DM1A) [NB100-690] was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse DyLight 550 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



**Western Blot: Survivin Antibody (1277A) [NBP2-59503]** - Total protein from human HeLa and A431 cell lines was separated on a 4-20% gel by SDS-PAGE, transferred to 0.2 um Polyvinylidene fluoride (PVDF) membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 1.0 ug/ml [NBP2-59503] in block buffer and detected with an anti-rabbit HRP secondary antibody using chemiluminescence. Note: predicted molecular weight is 16 kDa.



**Flow (Intracellular): Survivin Antibody (1277A) [NBP2-59503]** - An intracellular stain was performed on HeLa Cells with Survivin Antibody (1277A) [NBP2-59503] (blue) and a matched isotype control [MAB1050] (orange). Cells were fixed with 4% paraformaldehyde, following fixation, cells were permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature, followed by rabbit IgG APC-conjugated secondary antibody [F0111, R&D Systems].





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### **Products Related to NBP2-59503**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB110-92717PEP	Survivin Antibody Blocking Peptide

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### **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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