Product Datasheet

Survivin [p Thr34] Antibody - BSA Free
NB500-236

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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Reviews: 1 Publications: 10

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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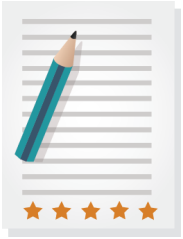


NB500-236

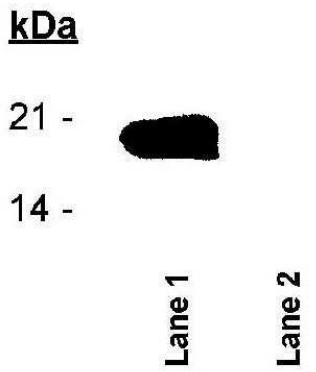
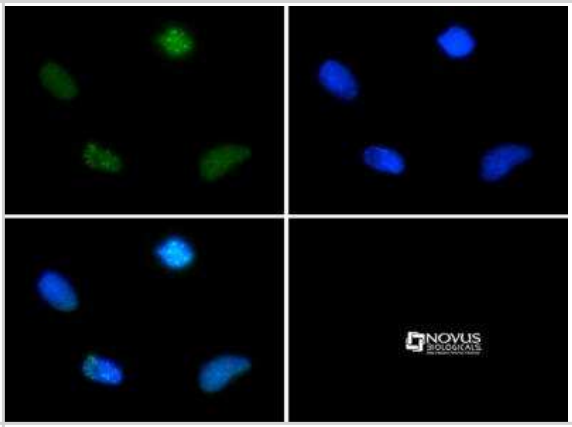
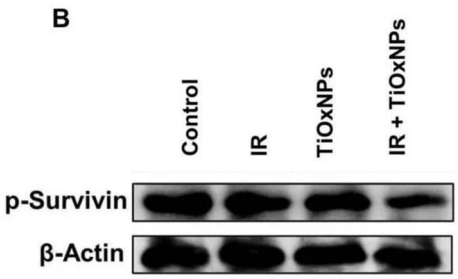
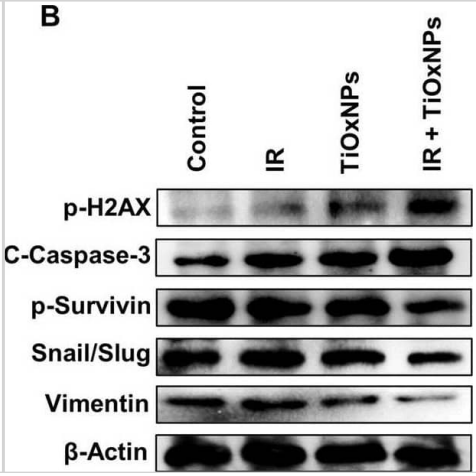
Survivin [p Thr34] Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	16 kDa

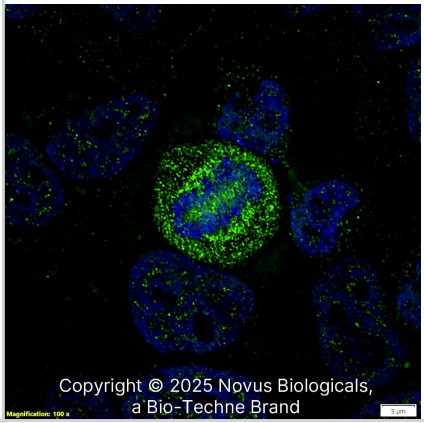
Product Description	
Description	Novus Biologicals Rabbit Survivin [p Thr34] Antibody - BSA Free (NB500-236) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-Survivin Antibody: Cited in 10 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	332
Gene Symbol	BIRC5
Species	Human, Mouse
Reactivity Notes	Human and mouse reactivity reported in scientific literature (PMID: 17510430).
Specificity/Sensitivity	Survivin [p Thr34] Antibody [NB500-236] is specific for phosphorylated survivin.
Immunogen	This Survivin [p Thr34] Antibody was developed against a synthetic peptide with a phosphorylated Threonine (amino acid 34) corresponding to human Survivin. [UniProt# O15392]

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000. Use reported in scientific literature (PMID 25298395), Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 23549285)
Application Notes	This antibody has been limited to the detection of phosphorylated Survivin recombinant protein and has not yet been successfully used to detect endogenous phosphorylated Survivin.

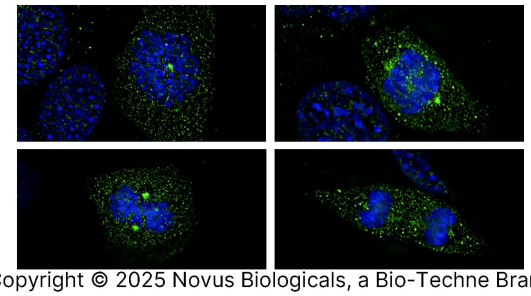
Images

Western Blot: Survivin [p Thr34] Antibody [NB500-236] - Western blot analysis using [NB500-236]. Lane 1: Phosphorylated Survivin protein and Lane 2: Non-phosphorylated Survivin protein. Note: theoretical molecular weight of Survivin Antibody: 16 kDa.	
Immunocytochemistry/Immunofluorescence: Survivin [p Thr34] Antibody [NB500-236] - Immunocytochemical analysis using Survivin [p Thr34] Antibody [NB500-236] in HeLa cells with FITC (green). Nuclei were counterstained with DAPI (blue).	
Western Blot: Survivin [p Thr34] Antibody [NB500-236] - Combination therapy with TiOxNPs and IR suppressed the aggressiveness of xenografts in dissociated MIA PaCa sphere cell-bearing mice. Western blot for expression of Survivin [p Thr34] (NB500-236) in xenografts of dissociated MIA PaCa sphere-bearing cells treated with TiOxNPs and/or irradiation. Image collected and cropped by CiteAb from the following publication (//pubmed.ncbi.nlm.nih.gov/35428310/) licensed under a CC-BY license.	
Western Blot: Survivin [p Thr34] Antibody [NB500-236] - Combination therapy with TiOxNPs & IR suppressed the aggressiveness of xenografts in dissociated MIA PaCa sphere cell-bearing mice. A HE staining & IHC analysis of p-H2AX, c-caspase-3, ki67, PCNA, snail/Slug, & vimentin in the indicated groups. Scale bar = 50 µm. n=5. B Western blot for expression of p-H2AX, c-caspase-3, p-survivin, snail/Slug, & vimentin in xenografts of dissociated MIA PaCa sphere-bearing cells treated with TiOxNPs and/or irradiation. C In vivo apoptosis marker TUNEL assay in xenografts of dissociated MIA PaCa sphere-bearing cells treated with TiOxNPs and/or irradiation. n=5. Data are shown as the mean ± standard deviation. ns, not significant. ****p < 0.0001. Scale bar = 200 µm Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/35428310), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Survivin [p Thr34] was detected in immersion fixed HeLa human cervix adenocarcinoma cell line using Rabbit anti-Survivin [p Thr34] Antigen Affinity Purified Polyclonal Antibody (Catalog # NB500-236) at 2.0 µg/mL 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 [p Thr34] was detected in immersion fixed NIH-3T3 Mouse fibroblast cell line using Rabbit anti Survivin [p Thr34] Antigen Affinity Purified Polyclonal Antibody (Catalog # NB500-236) at 2.0 µg/mL 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 in various stages of mitosis were imaged using a 100X objective and digitally deconvolved.



Publications

Salah M, Akasaka H, Shimizu Y et al. Reactive oxygen species-inducing titanium peroxide nanoparticles as promising radiosensitizers for eliminating pancreatic cancer stem cells Journal of experimental & clinical cancer research : CR 2022-04-15 [PMID: 35428310] (WB, Human)

Babkoff A, Cohen-Kfir E, Aharon H et al. A direct interaction between survivin and myosin II is required for cytokinesis J. Cell. Sci. 2019-07-17 [PMID: 31315909]

Eiteneuer A, Seiler J, Weith M et al. Inhibitor-3 ensures bipolar mitotic spindle attachment by limiting association of SDS22 with kinetochore-bound protein phosphatase-1. EMBO J. 2014-10-08 [PMID: 25298395] (WB, Human)

Guzman E, Maher M, Temkin A et al. Spongiatriol inhibits nuclear factor kappa B activation and induces apoptosis in pancreatic cancer cells Mar Drugs 2013-04-02 [PMID: 23549285] (ICC/IF, Human)

Cheng CW, Chow AK, Pang R et al. PIN1 Inhibits Apoptosis in Hepatocellular Carcinoma through Modulation of the Antiapoptotic Function of Survivin. Am J Pathol 2013-01-18 [PMID: 23333752]

Ferrario A, Gomer CJ. Targeting the 90 kDa heat shock protein improves photodynamic therapy Cancer Lett 2010-03-28 [PMID: 19733005] (WB, Mouse)

AbouAlaiwi WA, Ratnam S, Booth RL et al. Endothelial cells from humans and mice with polycystic kidney disease are characterized by polyploidy and chromosome segregation defects through survivin down-regulation Hum Mol Genet 2011-01-01 [PMID: 21041232] (WB, Mouse)

Bhatnagar N, Li X, Chen Y et al. 3,3'-Diindolylmethane Enhances the Efficacy of Butyrate in Colon Cancer Prevention through Down-Regulation of Survivin. Cancer Prevention Research;2(6):581-589. 2009-01-01 [PMID: 19470789]

Ferrario, A et al. Survivin, a Member of the Inhibitor of Apoptosis Family, Is Induced by Photodynamic Therapy Is a Target for Improving Treatment Response. Cancer Res 67: 4989-4995. 2007-01-01 [PMID: 17510430] (WB, Mouse, Human)

Liu T, Brouha B, Grossman D. Rapid induction of mitochondrial events and caspase-independent apoptosis in Survivin-targeted melanoma cells. Oncogene. 2004-01-08 [PMID: 14712209] (WB, Human)

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Products Related to NB500-236

NBL1-07987	Survivin Overexpression Lysate
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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