

Product Datasheet

Dengue Virus NS5 Antibody

NBP2-42900

Unit Size: 0.1 ml

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

www.novusbio.com



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Updated 9/9/2025 v.20.1

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NBP2-42900

Dengue Virus NS5 Antibody

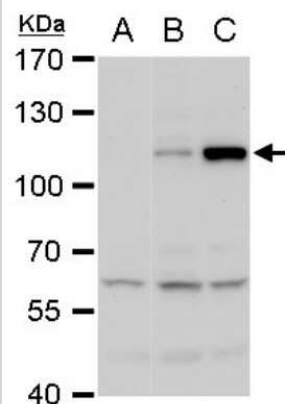
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	103 kDa

Product Description	
Description	Novus Biologicals Rabbit Dengue Virus NS5 Antibody (NBP2-42900) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Dengue Virus NS5 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1489713
Gene Symbol	POLY
Species	Virus
Reactivity Notes	Reactive to Dengue Virus. Reactivity to the Zika Virus reported from a verified customer review.
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of Dengue Virus NS5 (Dengue virus 2 (strain 16681 PDK 53)). The exact sequence is proprietary.

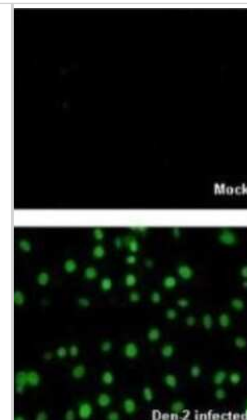
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000 - 1:10000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100 - 1:1000, Immunohistochemistry-Paraffin Validated by verified customer review.

Images

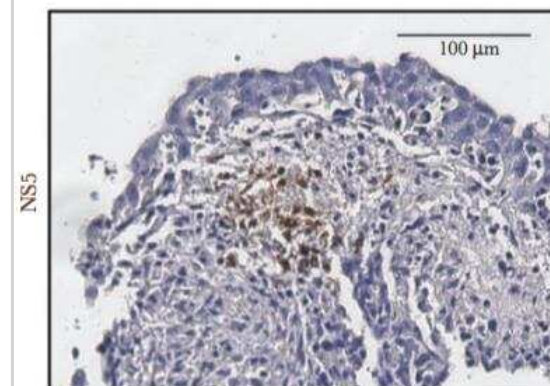
Western Blot: NS5 Antibody [NBP2-42900] - Analysis of A. 30 ug BHK-21 whole cell extract B. 30 ug whole cell extract of Dengue virus type 2 infected BHK-21 cells C. 30 ug whole cell extract of Dengue virus type 3 infected BHK-21 cells 7.5 % SDS-PAGE NS5 (Dengue virus) antibody dilution: 1:5000



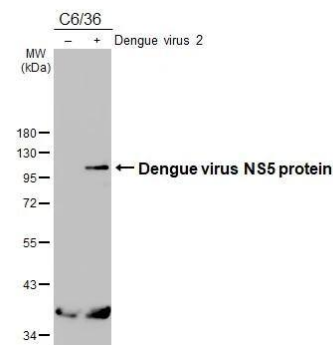
Immunocytochemistry/Immunofluorescence: NS5 Antibody [NBP2-42900] - Analysis of Dengue virus 2-infected BHK-21, using Non-structural protein NS5 (Dengue virus 2) antibody at 1:2000 dilution.



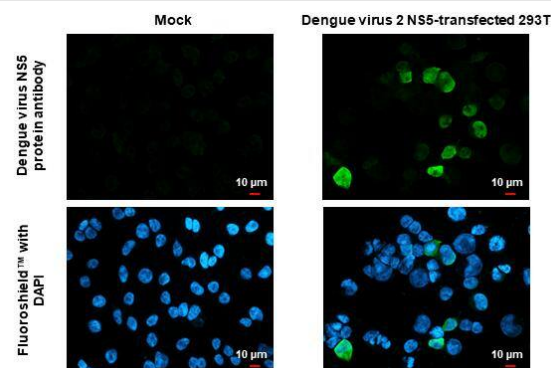
Immunohistochemistry-Paraffin: NS5 Antibody [NBP2-42900] - Zika-infected prostate organoids. Organoids composed of 19l mesenchymal stem cells and LNCaP prostate epithelial cells. Prostate organoids were infected with Zika virus isolate HN16 at an MOI of 1. Organoids were processed and stained for NS5 at 4 days post-infection. Image from verified customer review.



Non-infected (-) and infected (+) C6/36 whole cell extracts (15 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with Dengue virus NS5 protein antibody (NBP2-42900) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



Dengue virus NS5 protein antibody detects Dengue virus NS5 protein by immunofluorescent analysis. Sample: Mock and transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Dengue virus NS5 protein stained by Dengue virus NS5 protein antibody (NBP2-42900) diluted at 1:500. Blue: Fluoroshield with DAPI .



Publications

Lima MLD, Cabral AS, Bittar C et al. Early infection of Zika virus in the male reproductive system of AG129 mice: molecular and immunohistochemical evaluation Brazilian journal of microbiology : [publication of the Brazilian Society for Microbiology] 2022-04-23 [PMID: 35460509]

Saade M, Ferrero DS, Blanco-Ameijeiras J et al. Multimerization of Zika Virus-NS5 Causes Ciliopathy and Forces Premature Neurogenesis BMC Neurosci 2020-10-31 [PMID: 33147489] (WB, Porcine)

Spencer J. L, Lahon A, et al. Replication of Zika Virus in Human Prostate Cells: A Potential Source of Sexually Transmitted Virus. J Infect Dis 2018-01-30 [PMID: 28968863] (ICC/IF, Virus)

Retallack H, Di Lullo E, Arias C et al. Zika virus cell tropism in the developing human brain and inhibition by azithromycin. Proc. Natl. Acad. Sci. U.S.A. 2016-11-29 [PMID: 27911847] (IF/IHC)





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Products Related to NBP2-42900

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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