

Dengue virus NS5 protein antibody

Cat. No. GTX103350

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF
Reactivity	Dengue virus 2

References (22)

Package

100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	1:100-1:1000

Not tested in other applications.

Calculated MW 103 kDa. ([Note](#))

Product Note This antibody was raised against Dengue virus 2 NS5 protein, which may cross react with NS5 protein of Dengue virus 3.

Properties

Form	Liquid
Buffer	PBS, 1% BSA, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	0.19 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of Dengue virus NS5 protein (Dengue virus 2 (strain 16681 PDK 53)). The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

Note

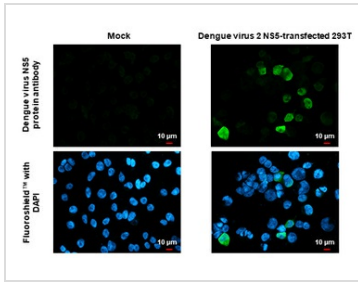
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DATA IMAGES



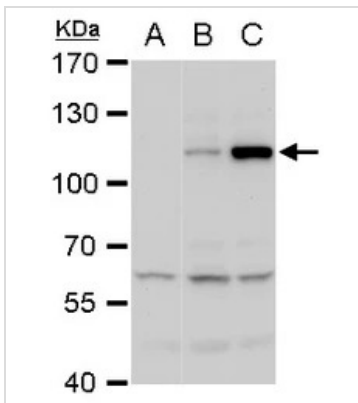
GTX103350 ICC/IF Image

Dengue virus NS5 protein antibody detects Dengue virus NS5 protein 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 (GTX103350) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).



GTX103350 WB Image

NS5 (Dengue virus) antibody detects NS5 (Dengue virus) protein by western blot analysis.

A. 30 μg BHK-21 whole cell extract

B. 30 μg whole cell extract of Dengue virus type 2 infected BHK-21 cells

C. 30 μg whole cell extract of Dengue virus type 3 infected BHK-21 cells

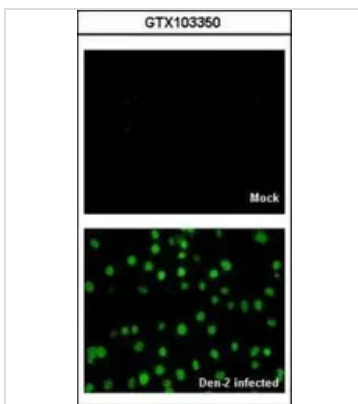
7.5% SDS-PAGE

NS5 (Dengue virus) antibody (GTX103350) dilution: 1:5000

The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

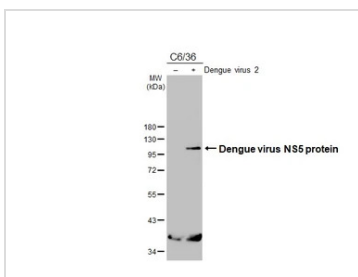
The results may vary from different DENV strains, viral infection status, and culture conditions.

Reference: [Proc Natl Acad Sci U S A. 2013 Apr 23;110\(17\):6795-9](#), [J Infect Dis. 2011 Jun 15;203\(12\):1775-83](#).



GTX103350 ICC/IF Image

GTX103350 IF Image Immunofluorescence analysis of Dengue virus 2-infected BHK-21, using Non-structural protein NS5 (Dengue virus 2) antibody (GTX103350) at 1:2000 dilution.



GTX103350 WB Image

Non-infected (–) and infected (+) C6/36 whole cell extracts (15 μg) were separated by 10% SDS-PAGE, and the membrane was blotted with Dengue virus NS5 protein antibody (GTX103350) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



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