

Dengue virus NS5 protein antibody

Cat. No. GTX124253

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

References (9)

Package

100 µl, 25 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:2000
FCM	Assay dependent

Not tested in other applications.

Calculated MW 105 kDa. ([Note](#))**Product Note**

This antibody was raised against Dengue virus 2 NS5 protein, which may cross react with NS5 protein of Dengue virus 1/3/4 but does not recognize with NS5 protein of JEV.

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	0.2 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein 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

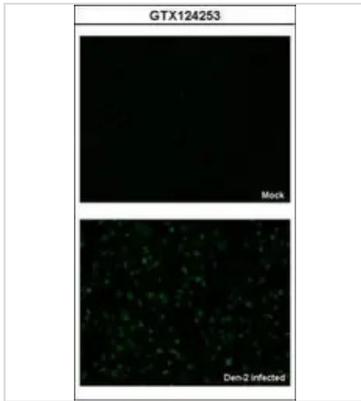


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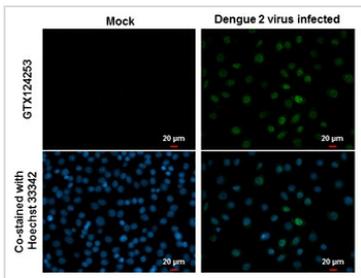
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DATA IMAGES



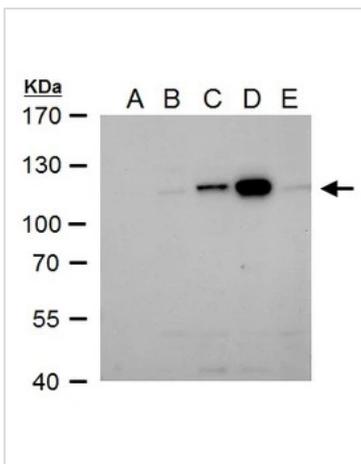
GTX124253 ICC/IF Image

Immunofluorescence analysis of paraformaldehyde-fixed BHK-21 cell, using NS5 (Dengue virus 2) (GTX124253) antibody at 1:2000 dilution.



GTX124253 ICC/IF Image

NS5 (Dengue virus) antibody detects NS5 (Dengue virus) protein at nucleus by immunofluorescent analysis. Samples: BHK-21 cells mock (left) and infected with Dengue virus 2 (right) were fixed in MeOH. Green: NS5 (Dengue virus) protein stained by NS5 (Dengue virus) antibody (GTX124253) diluted at 1:2000. Blue: Hoechst 33342 staining.



GTX124253 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 1 infected BHK-21 cells
C. 30 µg whole cell extract of Dengue virus type 2 infected BHK-21 cells
D. 30 µg whole cell extract of Dengue virus type 3 infected BHK-21 cells
E. 30 µg whole cell extract of Dengue virus type 4 infected BHK-21 cells
7.5% SDS-PAGE

NS5 (Dengue virus) antibody (GTX124253) dilution: 1:2000
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](https://doi.org/10.1073/pnas.1215110110), [J Infect Dis. 2011 Jun 15;203\(12\):1775-83](https://doi.org/10.1186/14752875-9-83).



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