

Dengue virus NS5 protein antibody

Cat. No. GTX124253

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

References (8)

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



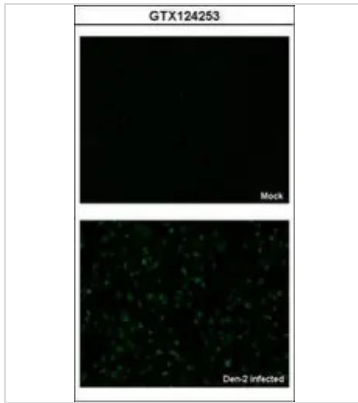
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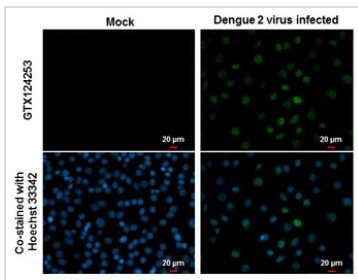
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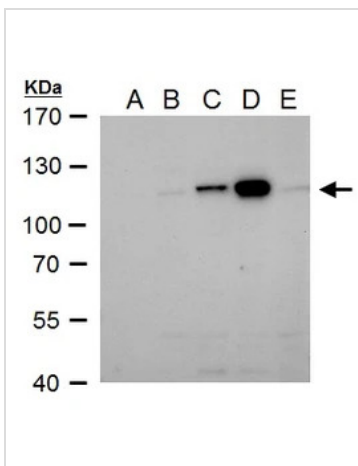
DATA IMAGES

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](#), [J Infect Dis. 2011 Jun 15;203\(12\):1775-83](#).



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