

## Dengue virus NS5 protein antibody [GT353]

Cat. No. GTX629446

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Applications</b>	WB, ICC/IF, IP
<b>Reactivity</b>	Dengue virus 2, Dengue virus 3, Dengue virus 4

References ( 7 )

★★★★★ Review ( 2 )

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	1:100-1:2000
IP	Assay dependent

Not tested in other applications.

**Calculated MW** 103 kDa. ([Note](#))**Product Note** This antibody does not cross-react with JEV Envelope protein.

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No preservatives
<b>Storage</b>	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.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of Dengue virus Type 2 NS5 protein (Dengue virus 2 (strain 16681 PDK 53)). The exact sequence is proprietary.
<b>Purification</b>	Affinity purified by Protein G.
<b>Conjugation</b>	Unconjugated

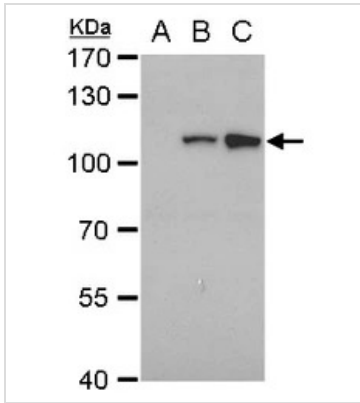


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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**Note**  
 Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



**GTX629446 WB Image**

Dengue virus NS5 protein antibody [GT353] detects Dengue virus NS5 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

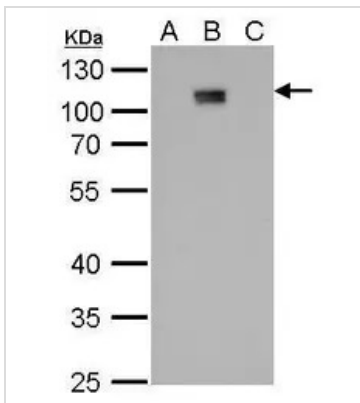
7.5% SDS-PAGE

Dengue virus NS5 protein antibody [GT353] (GTX629446) dilution: 1:5000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) 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](#).



**GTX629446 WB Image**

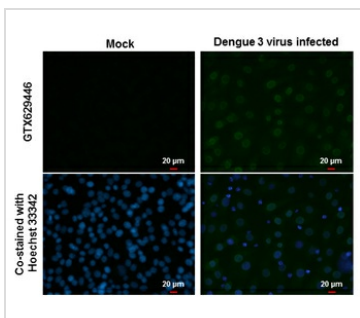
Dengue virus NS5 protein antibody [GT353] detects NS5 protein by western blot analysis.

- A. 30 µg BHK21 whole cell lysate/extract
- B. 30 µg whole cell lysate/extract of Dengue virus 2 infected BHK21 cells
- C. 30 µg whole cell lysate/extract of Japanese encephalitis virus infected BHK21 cells

10% SDS-PAGE

Dengue virus NS5 protein antibody [GT353] (GTX629446) dilution: 1:5000

The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



**GTX629446 ICC/IF Image**

Dengue virus NS5 protein antibody [GT353] detects Dengue virus NS5 protein at nucleus by immunofluorescent analysis.

Samples: BHK-21 cells mock (left) and infected with Dengue virus 3 (right) were fixed in paraformaldehyde.

Green: Dengue virus NS5 protein stained by Dengue virus NS5 protein antibody [GT353] (GTX629446) diluted at 1:2000.

Blue: Hoechst 33342 staining.



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