

# Dengue virus NS5 protein antibody [GT353]

# Cat. No. GTX629446

Host	Mouse
Clonality	Monoclonal
Isotype	lgG2b
Applications	WB, ICC/IF, IP
Reactivity	Dengue virus 2, Dengue virus 3, Dengue virus 4



## Applications

## **Application Note**

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

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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. ( <u>Note</u> )	
Product Note	This antibody does not cross-react with JEV Envelope protein.	
Properties		
Form	Liquid	
Buffer	PBS	
Preservative	No preservatives	
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	1 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 Type 2 NS5 protein (Dengue virus 2 (strain 16681 PDK 53)). The exact sequence is proprietary.	



**Purification** 

Conjugation

For full product information, images and publications, please visit our <u>website</u>.

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Affinity purified by Protein G.

Unconjugated

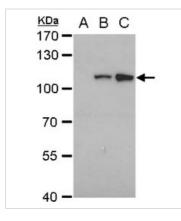


For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

#### 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

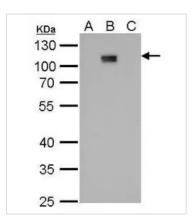
7.5% SDS-PAGE

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.

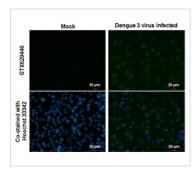
A. 30 µg BHK21 whole cell lysate/extract

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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