

Dengue virus NS5 protein antibody [GT361]

Cat. No. GTX629447

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF
Reactivity	Dengue virus 2, Dengue virus 3, Dengue virus 4

References (6)

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

Not tested in other applications.

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

Product Note This antibody does not cross-react with JEV Envelope protein.

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	No Preservative
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	Affinity purified by Protein G.
Conjugation	Unconjugated

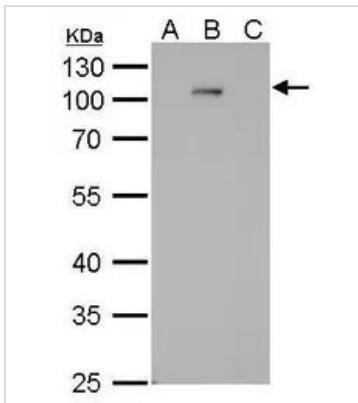
Note

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

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.



For full product information, images and publications, please visit our [website](#).

DATA IMAGES

GTX629447 WB Image

Dengue virus NS5 protein antibody [GT361] detects Dengue virus 2 NS5 protein by western blot analysis.

A. 30 µg BHK21 whole cell lysate/extract

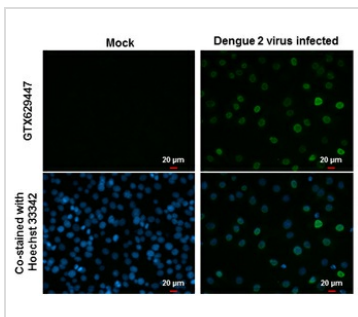
B. 30 µg whole cell lysate/extract of Dengue virus 2 infected BHK21 cells

C. 30 µg whole cell lysate/extract of Japanese encephalitis virus infected BHK21 cells

10% SDS-PAGE

Dengue virus NS5 protein antibody [GT361] (GTX629447) dilution: 1:5000

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

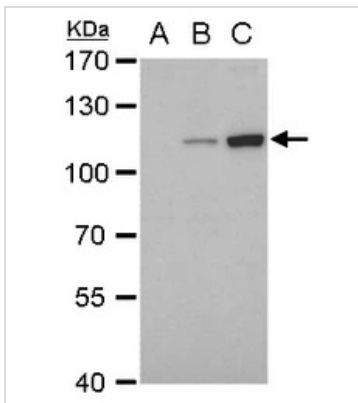

GTX629447 ICC/IF Image

Dengue virus NS5 protein antibody [GT361] detects Dengue virus 2 NS5 protein protein at nucleus by immunofluorescent analysis.

Samples: BHK-21 cells mock (left) and infected with Dengue virus 2 (right) were fixed in paraformaldehyde.

Green: NS5 (Dengue virus 2) protein stained by Dengue virus NS5 protein antibody [GT361] (GTX629447) diluted at 1:2000.

Blue: Hoechst 33342 staining.


GTX629447 WB Image

Dengue virus NS5 protein antibody [GT361] detects Dengue virus 2 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

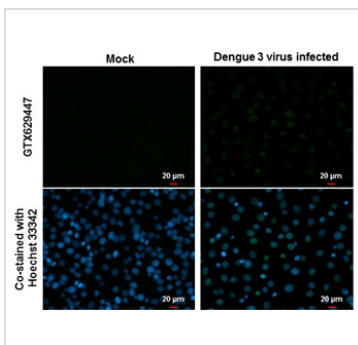
7.5% SDS-PAGE

Dengue virus NS5 protein antibody [GT361] (GTX629447) 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](#).


GTX629447 ICC/IF Image

Dengue virus NS5 protein antibody [GT361] detects Dengue virus 2 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: NS5 (Dengue virus 2) protein stained by Dengue virus NS5 protein antibody [GT361] (GTX629447) diluted at 1:2000.

Blue: Hoechst 33342 staining.



For full product information, images and publications, please visit our [website](#).