

## Dengue virus NS3 protein antibody [GT2811]

Cat. No. GTX629477

|             |  |
|-------------|--|
| Host        | Mouse  |
| Clonality   | Monoclonal   |
| Isotype     | IgG1   |
| Application | WB, ICC/IF, ELISA  |
| Reactivity  | Dengue virus 1, Dengue virus 2, Dengue virus 3, Dengue virus 4 |

Reference ( 18 )

★★★★★ Review ( 3 )

Package

100 µl, 25 µl

## APPLICATION

## 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         |
| ELISA              | Assay dependent      |

Not tested in other applications.

|               |   |
|---------------|---|
| Calculated MW | 69 kDa. ( <a href="#">Note</a> )                              |
| Product Note  | This antibody does not cross-react with JEV Envelope protein. |

## PROPERTIES

|               |  |
|---------------|--|
| Form          | Liquid   |
| Buffer        | PBS  |
| 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 NS3 protein (Dengue virus 2 (strain 16681 PDK 53)). The exact sequence is proprietary.                   |
| Purification  | Affinity purified by Protein G.  |
| Conjugation   | Unconjugated   |



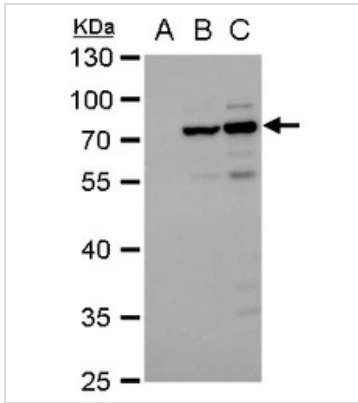
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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**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**

**GTX629477 WB Image**

NS3 (Dengue virus) antibody [GT2811] detects NS3 (Dengue virus) protein by western blot analysis.

A. 66 µg BHK-21 whole cell extract

B. 20 µg whole cell extract of Dengue virus type 2 infected BHK-21 cells

C. 10 µg whole cell extract of Dengue virus type 3 infected BHK-21 cells

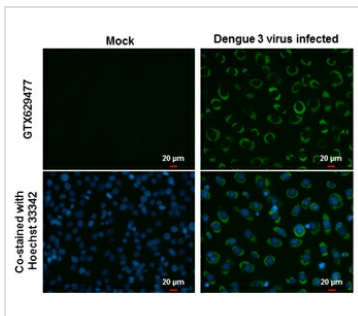
10% SDS-PAGE

NS3 (Dengue virus) antibody [GT2811] (GTX629477) 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](#).

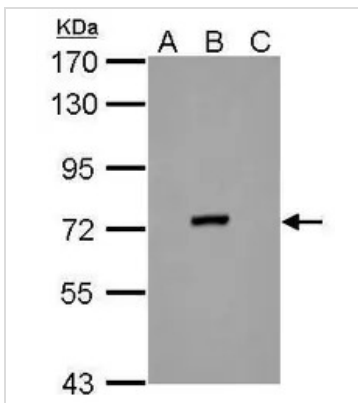

**GTX629477 ICC/IF Image**

NS3 (Dengue virus) antibody [GT2811] detects NS3 (Dengue virus) protein at cytoplasm by immunofluorescent analysis.

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

Green: NS3 (Dengue virus) protein stained by NS3 (Dengue virus) antibody [GT2811] (GTX629477) diluted at 1:2000.

Blue: Hoechst 33342 staining.


**GTX629477 WB Image**

NS3 (Dengue Virus 2) antibody [GT2811] detects NS3 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

7.5% SDS-PAGE

NS3 (Dengue Virus 2) antibody [GT2811] (GTX629477) dilution: 1:5000

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



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