abcam

Product datasheet

Anti-Dengue Virus NS1 glycoprotein antibody [DN3] ab41616

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概述

产品名称	Anti-Dengue Virus NS1 glycoprotein抗体[DN3]
描述	**小鼠单克隆抗体**[DN3] to Dengue Virus NS1 glycoprotein
宿主	Mouse
经测试应用	**适用于:** WB, ICC/IF
种属反应性	**与反应:** Dengue virus 1, Dengue virus 2, Dengue virus 3, Dengue virus 4
免疫原	Full length native protein purified from Dengue Virus 2 (16681) infected supernatant.
阳性对照	It is important to ensure that DEN4 infection is effective. DEN4 is notoriously difficult to grow to good titres and NS1 antigens will not be found if infection is not well established.
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.1% Proclin 150 Constituents: 10% BSA, 89.9% RPMI 1640
纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	DN3
同种型	IgG1
轻链类型	kappa

应用

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab41616于以下的经测试应用**

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

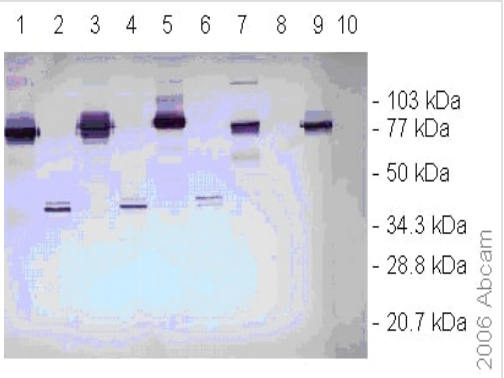
应用	Ab评论	说明
WB		1/50 - 1/100. Use under non reducing condition. Detects a band of approximately 40, 80 kDa (predicted molecular weight: 40, 80 kDa). Block membrane with PBS containing 5% non-fat skimmed milk (PBS-SM) for 30 minutes. Wash membrane and probe with serum diluted in PBS-SM with 10 mM sodium azide by incubating overnight on a rocker at room temperature.
ICC/IF		1/5 - 1/20.

靶标

相关性

NS1 is one of 7 Dengue Virus non-structural proteins which are thought to be involved in viral replication. NS1 exists as a monomer in its immature form but is rapidly processed in the endoplasmic reticulum to form a stable dimer. A small amount of NS1 remains associated with intracellular organelles where it is thought to be involved in viral replication. The rest of NS1 is found either associated with the plasma membrane or secreted as a soluble hexadimer. NS1 is essential for viral viability but its precise biological function is unknown. Antibodies raised in response to NS1 in viral infection can cross react with cell surface antigens on epithelial cells and platelets and this has been implicated in the development of Dengue Hemorrhagic fever.

图片



Western blot - Anti-Dengue Virus NS1 glycoprotein antibody [DN3] (ab41616)

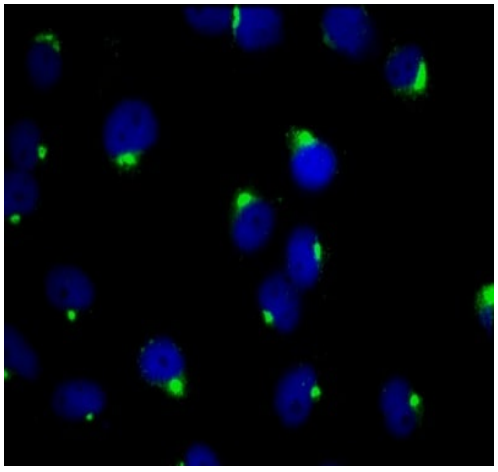
All lanes : Anti-Dengue Virus NS1 glycoprotein antibody [DN3] (ab41616)

Lane 1 : Dengue Virus 1 infected C6/36 cell lysate (unheated)
Lane 2 : Dengue Virus 1 infected C6/36 cell lysate (boiled)
Lane 3 : Dengue Virus 2 (NGC) infected C6/36 cell lysate (unheated)
Lane 4 : Dengue Virus 2 (NGC) infected C6/36 cell lysate (boiled)
Lane 5 : Dengue Virus 2 (16681) infected C6/36 cell lysate (unheated)
Lane 6 : Dengue Virus 2 (16681) infected C6/36 cell lysate (boiled)
Lane 7 : Dengue Virus 3 infected C6/36 cell lysate (unheated)
Lane 8 : Dengue Virus 3 infected C6/36 cell lysate (boiled)
Lane 9 : Dengue Virus 4 infected C6/36 cell lysate (unheated)
Lane 10 : Dengue Virus 4 infected C6/36 cell lysate (boiled)

Predicted band size: 40, 80 kDa

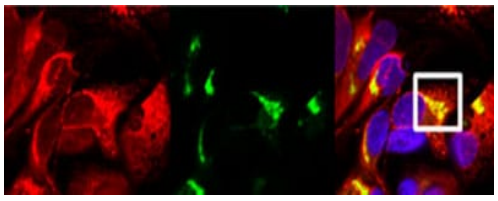
Observed band size: 40,80 kDa

Recognises NS1 dimer (~80 kDa) in unheated samples and NS1 monomer (~40 kDa) when samples are boiled.



Immunocytochemistry/ Immunofluorescence - Anti-Dengue Virus NS1 glycoprotein antibody [DN3] (ab41616)

Dengue Virus 2 infected Vero cells stained according to protocol with **ab41349** antibody against Dengue Virus envelope glycoprotein NS1 (green). Cell nuclei are blue.



Immunocytochemistry/ Immunofluorescence - Anti-Dengue Virus NS1 glycoprotein antibody [DN3] (ab41616)

Image from Heaton NS et al, Proc Natl Acad Sci U S A. 2010 Oct 5;107(40):17345-50. Epub 2010 Sep 20, Fig 2. DOI 10.1073/pnas.1010811107

ab41616 staining NS1 glycoprotein in Dengue Virus 2 infected Huh-7.5 cells by Immunocytochemistry/ Immunofluorescence. Huh-7.5 cells were plated on glass coverslips, infected with Dengue Virus 2, fixed in methanol, and blocked, and antibody was added in 1× PBS + 0.1% saponin. Antibodies used include FASN polyclonal, left image (**ab3844**) or NS1 monoclonal antibody, middle image (ab41616). Secondary antibodies were species-appropriate Alexa-Fluor 488 or 594 secondary antibody. Stained coverslips were mounted with DAPI, right merged image.

- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.cn/abpromise** or contact our technical team.

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