

Product datasheet

Anti-Japanese encephalitis virus NS1 glycoprotein antibody [JN1] ab41651

9 References 2 Images

Overview

Product name	Anti-Japanese encephalitis virus NS1 glycoprotein antibody [JN1]
Description	Mouse monoclonal [JN1] to Japanese encephalitis virus NS1 glycoprotein
Host species	Mouse
Tested applications	Suitable for: IHC-FoFr, Flow Cyt, WB, ICC/IF, ELISA
Species reactivity	Reacts with: Japanese encephalitis virus
Immunogen	Full length native protein purified from Japanese encephalitis virus (Nakayama) supernatant
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.1% Proclin 150 Constituents: 10% BSA, 89.9% RPMI 1640
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	JN1
Isotype	IgG3
Light chain type	kappa

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab41651 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

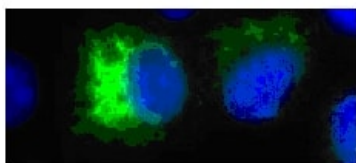
Application	Abreviews	Notes
IHC-FoFr		Use at an assay dependent concentration. PubMed: 19635909
Flow Cyt		Use at an assay dependent concentration. PubMed: 20581148 ab18392 - Mouse monoclonal IgG3, is suitable for use as an isotype control with this antibody.
WB		1/50 - 1/100. Use under non reducing condition. Predicted molecular weight: 46 kDa.
ICC/IF		1/5 - 1/20.
ELISA		Use at an assay dependent concentration.

Target

Relevance

The Japanese encephalitis viral genome encodes 7 non-structural proteins NS1-NS5. NS1 contains N-linked carbohydrate chains at positions 130 and 207. It is not incorporated into the virion but exists in the host cell, on the cell surface and can also be extracellular.

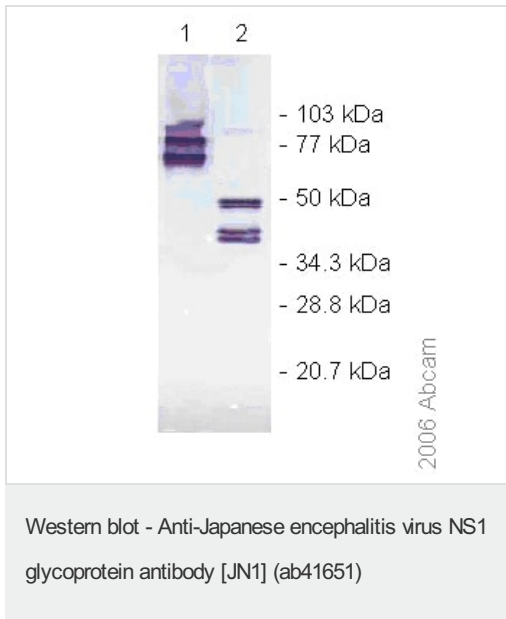
Images



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Japanese encephalitis virus (Nakayama) infected PS clone D cells stained with ab41651 (green).

Immunocytochemistry/ Immunofluorescence - Anti-Japanese encephalitis virus NS1 glycoprotein antibody [JN1] (ab41651)



All lanes : Anti-Japanese encephalitis virus NS1 glycoprotein antibody [JN1] (ab41651)

Lane 1 : Japanese encephalitis virus infected C6/36 cell lysate (unheated)

Lane 2 : Japanese encephalitis virus infected C6/36 cell lysate (boiled)

Predicted band size: 46 kDa

Observed band size: 46,92 kDa

Additional bands at: 100 kDa (possible cleavage fragment), 50 kDa (possible cleavage fragment)

This antibody recognises 2 forms of NS1 - NS1 and NS1' (46 and 53 kDa respectively). NS1' is thought to be formed when NS1 is cleaved from NS2A at an alternative site. Both NS1 and NS1' exist as dimers in untreated samples but are dissociated into monomers when samples are boiled.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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