

Product datasheet

Anti-SARS spike glycoprotein antibody - N-terminal ab252691

★☆☆☆☆ [1 Abreviews](#) [1 Image](#)

Overview

Product name	Anti-SARS spike glycoprotein antibody - N-terminal
Description	Rabbit polyclonal to SARS spike glycoprotein - N-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, ELISA
Species reactivity	Reacts with: SARS-CoV
Immunogen	Synthetic peptide corresponding to SARS spike glycoprotein (N terminal). Database link: P59594
Positive control	WB: SARS-Cov1 spike protein (DDDDK-tagged) transfected HEK-293 cell lysate.
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). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab252691 in the following tested applications.

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

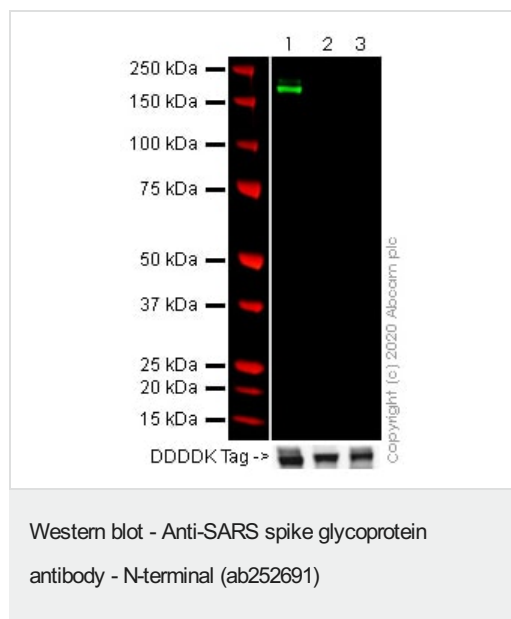
Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 139 kDa.
ELISA		Use at an assay dependent concentration. ab252691 will detect 10 ng of free peptide at 1 µg/mL.

Target

Relevance

A novel coronavirus has been identified as the causative agent of SARS (Severe Acute Respiratory Syndrome). Coronaviruses are a major cause of upper respiratory diseases in humans. The genomes of these viruses are positive stranded RNA approximately 27 to 31kb in length. SARS infection can be mediated by the binding of the viral spike protein, a glycosylated 139 kDa protein and the major surface antigen of the virus, to the angiotensin converting enzyme 2 (ACE2) on target cells. This binding can be blocked by a soluble form of ACE2.

Images



All lanes : Anti-SARS spike glycoprotein antibody - N-terminal (ab252691) at 1 µg/ml

Lane 1 : SARS-Cov1 spike protein (DDDDK-tagged) transfected HEK-293 cell lysate

Lane 2 : SARS-Cov2 spike protein (DDDDK-tagged) transfected HEK-293 cell lysate

Lane 3 : MERS Spike protein (DDDDK-tagged) transfected HEK-293 cell lysate

Lysates/proteins at 10 µg per lane.

Performed under reducing conditions.

Predicted band size: 139 kDa

Observed band size: 200 kDa

Lanes 1 - 3: Green - ab252691 observed at 200kDa.

ab252691 was shown to react with SARS spike glycoprotein in western blot. Membranes were blocked in 3% milk before incubation with ab252691 overnight at 4°C at 1 µg/ml. Blots were

incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW)
preabsorbed (**ab216773**) secondary antibody at 1 in 20000 dilution
for 1 hour at room temperature before imaging.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- 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.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors