

Product datasheet

Anti-SARS spike glycoprotein antibody ab22156

1 Image

Overview

Product name	Anti-SARS spike glycoprotein antibody
Description	Rabbit polyclonal to SARS spike glycoprotein
Host species	Rabbit
Specificity	ab22156 specifically detects the N-terminal portion of human coronavirus SARS Spike protein.
Tested applications	Suitable for: WB, ELISA
Immunogen	Synthetic peptide: T TFDDVQAPNY TQHTS , corresponding to amino acids 19-35 of SARS spike glycoprotein.
	Run BLAST with Run BLAST with

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.
Storage buffer	Preservative: 0.05% Sodium Azide Constituents: 0.2% Gelatin, PBS
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab22156** in the following tested applications.

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

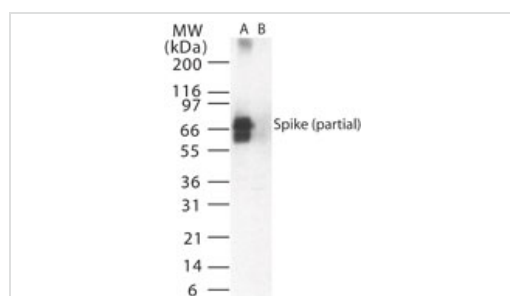
Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 139 kDa.
ELISA		Use a concentration of 0.5 - 2 µg/ml.

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



Western blot - Anti-SARS spike glycoprotein antibody (ab22156)

All lanes : Anti-SARS spike glycoprotein antibody (ab22156) at 0.5 µg/ml

Lane 1 : Mouse melanoma cell lysate transfected with a partial-length cDNA coding for the N-terminal portion of SARS Spike protein [predicted molecular weight 68 kDa]

Lane 2 : Untransfected mouse melanoma cell lysate

Predicted band size: 139 kDa

Observed band size: 68 kDa

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