ATAGENIX LABORATORIES

Catalog Number:ATP246

Anti 2019-nCoV S1 Protein polyclonal antibody

Product Details

Summary

Product name	Anti 2019-nCoV S1 Protein polyclonal antibody
Catalog#	ATP246
description	Produced in rat immunized with purified,Recombinant SARS-CoV-2 S1 Protein
Accession #	P0DTC2
Alternative names	Spike glycoprotein,E2,Peplomer protein,Spike protein S1,S
Stability &Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -91 °C for twelve months from the date of receipt.
Spcificity	Recognizes SARS-CoV-2 S1 Protein
Isotype	IgG
Host	Rat
Clonality	Polyclonal
Conjugation	Unconjugate
Species reactivity	Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2)
Tested applications	Elisa
Immunogen	Recombinant SARS-CoV-2 S1 Protein(Val16-Gln677)

Background

Attaches the virion to the cell membrane by interacting with host receptor, initiating the infection. Binding to human ACE2 receptor and internalization of the virus into the endosomes of the host cell induces conformational changes in the Spike glycoprotein. Uses also human TMPRSS2 for priming in human lung cells which is an essential step for viral entry. Can be alternatively processed by host furin . Proteolysis by cathepsin CTSL may unmask the fusion peptide of S2 and activate membranes fusion within endosomes.

Product performance

Form	Liquid
Buffer	PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.
Concentration	0.61mg/ml
MW	141kDa

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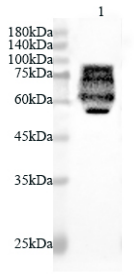
Application

Dilution Range	Elisa:1:4000~1:8000

Tested Picture



Lysate:20μg
Lane 1:pseudovirion

Predicted band size:141kDa
Observed band size:55~100kDa

Various lysates were subjected to SDS PAGE followed by western blot with SARS-CoV-2 (2019-nCoV) S1 Protein antibody at dilution of 1:1000.

Note

For research use only.