

## Product Details

### Summary

<b>Product name</b>	Anti 2019-nCoV S1 Protein polyclonal antibody
<b>Catalog#</b>	ATP246
<b>description</b>	Produced in rat immunized with purified, Recombinant SARS-CoV-2 S1 Protein
<b>Accession #</b>	P0DTC2
<b>Alternative names</b>	Spike glycoprotein, E2, Peplomer protein, Spike protein S1, S
<b>Stability &amp; Storage</b>	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.
<b>Specificity</b>	Recognizes SARS-CoV-2 S1 Protein
<b>Isotype</b>	IgG
<b>Host</b>	Rat
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugate
<b>Species reactivity</b>	Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2)
<b>Tested applications</b>	Elisa
<b>Immunogen</b>	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

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



## Application

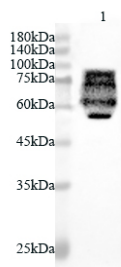
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Dilution Range

Elisa: 1:4000~1:8000

## Tested Picture

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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

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For research use only.