

## Product Details

### Summary

<b>Product name</b>	Anti 2019-nCoV NSP1 polyclonal antibody
<b>Catalog#</b>	ATP249
<b>description</b>	Produced in rabbits immunized with purified, Recombinant SARS-CoV-2 NSP1
<b>Accession #</b>	P0DTC1
<b>Alternative names</b>	ORF1a polyprotein, Non-structural protein 1, Leader protein, Replicase polyprotein 1a
<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 -94 °C for twelve months from the date of receipt.
<b>Specificity</b>	Recognizes SARS-CoV-2 NSP1
<b>Isotype</b>	IgG
<b>Host</b>	Rabbit
<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 NSP1(Met1-Gly180)

### Background

The Severe Acute Respiratory Syndrome (SARS) Coronavirus (CoV) is an enveloped, positive-stranded RNA viruses that can cause a severe respiratory disease. Its genome consists of a ~30 kb linear, non-segmented, capped, polycistronic, polyadenylated RNA molecule, the first two-third of which is directly translated into two large polyproteins. These two polypeptides are processed into 16 non-structural proteins (nsps), forming the replicase complex, which is active in the cytoplasm in close association with cellular membranes. Nsp1 was proved to be able to suppress host gene expression by promoting host mRNA degradation and was involved in cellular chemokine deregulation. This virus evades the host innate immune response in part through the expression of its non-structural protein (nsp) 1, which inhibits both host gene expression and virus- and interferon (IFN)-dependent signaling. Thus, nsp1 is a promising target for drugs, as inhibition of nsp1 would make SARS-CoV more susceptible to the host antiviral defenses.

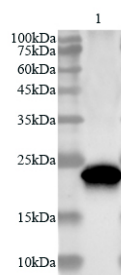
### Product performance

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.
<b>Concentration</b>	0.48mg/ml
<b>MW</b>	20kDa

## Application

<b>Dilution Range</b>	Elisa: 1:4000~1:8000
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## Tested Picture



Lysate: 0.1μg/lane  
Lane 1: Recombinant SARS-CoV-2  
NSP1 protein

Predicted band size: 22kDa  
Observed band size: 22kDa

Recombinant Protein lysates were subjected to SDS PAGE followed by western blot with rabbit anti SARS-CoV-2 (2019-nCoV) NSP1 protein antibody at dilution of 1:16000.

## Note

For research use only.