

Product Details

Summary

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

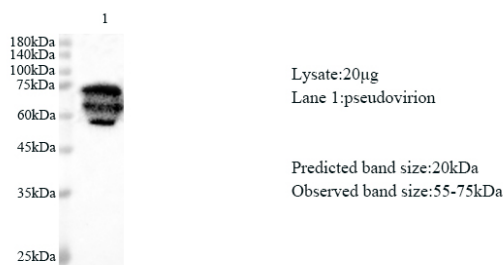
Anti SARS-CoV-2 (2019-nCoV) NSP1 polyclonal antibody

Form	Liquid
Buffer	PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.
Concentration	0.55mg/ml
MW	20kDa

Application

Dilution Range	Elisa: 1:4000~1:8000
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Tested Picture



Various lysates were subjected to SDS PAGE followed by western blot with SARS-CoV-2 (2019-nCoV) NSP1 antibody at dilution of 1:1000.

Note

For research use only.