

Product Details

Summary

Product name	Anti 2019-nCoV S2 Protein polyclonal antibody
Catalog#	ATP243
description	Produced in rabbits immunized with purified, Recombinant SARS-CoV-2 S2 Protein
Accession #	P0DTC2
Alternative names	Spike glycoprotein, E2, Peplomer protein, Spike protein S2, 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 -88 °C for twelve months from the date of receipt.
Specificity	Recognizes SARS-CoV-2 S2 Protein
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 S2 Protein(Ser686-Pro1213)

Background

Mediates fusion of the virion and cellular membranes by acting as a class I viral fusion protein. Under the current model, the protein has at least three conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and target cell membrane fusion, the coiled coil regions (heptad repeats) assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. The formation of this structure appears to drive apposition and subsequent fusion of viral and target cell membranes.

Product performance

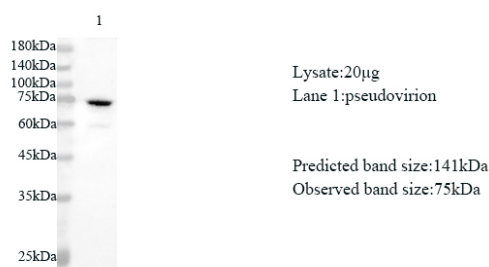
Form	Liquid
Buffer	PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.
Concentration	0.61mg/ml
MW	141kDa

Application

Dilution Range

Elisa: 1:4000~1:8000

Tested Picture



Various lysates were subjected to SDS PAGE followed by western blot with SARS-CoV-2 (2019-nCoV) S2 Protein antibody at dilution of 1:1000.

Note

For research use only.