ATAGENIX LABORATORIES

Catalog Number:ATP472

Anti 2019-nCoV E protein polyclonal antibody

Product Details

Summary

Product name	Anti 2019-nCoV E protein polyclonal antibody
Accession #	P0DTC4
Alternative names	2019-nCoV E protein,2019-nCoV sM protein,Envelope small membrane protein
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 -99 °C for twelve months from the date of receipt.
Spcificity	Recognizes SARS-CoV-2 E 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,WB
Immunogen	Recombinant SARS-CoV-2 E protein(Met1-Val75)

Background

Coronavirus envelope (E) proteins are short (100 residues) polypeptides that contain at least one transmembrane (TM) domain and a cluster of 2-3 juxtamembrane cysteines. These proteins are involved in viral morphogenesis and tropism, and their absence leads in some cases to aberrant virions, or to viral attenuation. In common to other viroporins, coronavirus envelope proteins increase membrane permeability to ions, plays a central role in virus morphogenesis and assembly. Acts as a viroporin and self-assembles in host membranes forming pentameric protein-lipid pores that allow ion transport. Also plays a role in the induction of apoptosis. Activates the host NLRP3 inflammasome, leading to IL-1beta overproduction.

Product performance

Form	Liquid
Buffer	PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.
Concentration	0.49 mg/ml
MW	8kDa

Application

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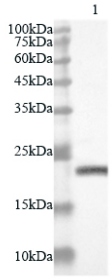
Dilution Range Elisa:1:4000~1:8000,WB:1:1000~5000

Tested Picture



Lysate:0.5μg/lane
Lane 1:Recombinant SARS-CoV-2 E protein

Predicted band size:21kDa
Observed band size:21kDa

Recombinant Protein lysates were subjected to SDS PAGE followed by western blot with rabbit anti SARS-CoV-2 (2019-nCoV) E protein antibody at dilution of 1:4000.

Note

For research use only.