

### 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**

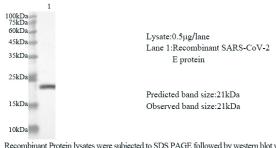


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**Dilution Range** Elisa:1:4000~1:8000,WB:1:1000~5000

#### **Tested Picture**



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.