SARS-CoV-2 ORF3A Rabbit pAb

Catalog NO.: A20234 3 Publications

Basic Information

Observed MW
35kDa

Calculated MW
31kDa

Category
Polyclonal Antibodies

Applications
WB, ELISA

Cross-Reactivity
SARS-CoV-2

Background

Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID-19). Virus particles include the RNA genetic material and structural proteins needed for invasion of host cells. Once inside the cell the infecting RNA is used to encode structural proteins that make up virus particles, nonstructural proteins that direct virus assembly, transcription, replication and host control and accessory proteins whose function has not been determined.~ ORF3a encodes a viral accessory protein. Based on its similarity to other coronavirus proteins, ORF3a protein is thought to be a protein with ion channel activity (viroporin) that activates the NLRP3 inflammasome. ORF3a may also play a role in virus replication and pathogenesis.

Recommended Dilutions

WB 1:2000 - 1:6000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
43740569

Swiss Prot
P0DTC3

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

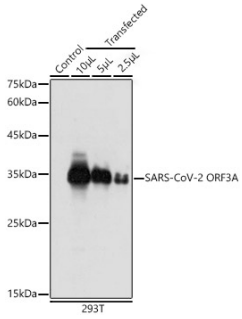
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from 293T cells, using SARS-CoV-2 ORF3A Rabbit pAb (A20234) at 1:5000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.

For research use only. Not for therapeutic or diagnostic purposes.

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