SARS-CoV-2 ORF9b Rabbit pAb

Catalog NO.: A20260 **1 Publications**

Basic Information

Observed MW
12-14kDa

Calculated MW
11kDa

Category
Polyclonal Antibodies

Applications
WB, ELISA

Cross-Reactivity
SARS-CoV-2

Background

SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) is the causative agent of the COVID19 pandemic.?? SARS-CoV-2 and SARS-CoVshare many proteins common in other CoVs, including 4 majorstructural proteins (S, E, M, and N proteins) and 16 nonstructuralproteins (nsp1-16), they possess a unique set of proteins, namelyorf3a, 3b, 6, 7a, 7b, 8a, 8b, and 9b。The SARS-CoV-2 genome encodes for a small accessory protein termed Orf9b,?? which targets the mitochondrial outer membrane protein TOM70 in infected cells.This 98-amino acid (aa) protein is encoded by analternative open reading frame (ORF) within the N gene and istranslated via a leaky scanning mechanism during translationCrystal structures of orf9b alone revealed a homodimericβ-strand-rich structure? with a hydro_x005fphobic central tunnel for lipid binding, consistent with the role oforf9b in the mature virion assembly

Recommended Dilutions

WB	1:500 - 1:1000

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

Immunogen Information

Gene ID

Swiss Prot
P0DTD2

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

Contact

Product Information

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

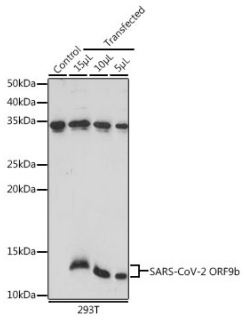
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of normal 293T cells 293T transfected with ORF9b Protein, using SARS-CoV-2 ORF9b Rabbit pAb (A20260) at 1:1000 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: 30s.

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

Please visit **https://abclonal.com** for a complete list of recommended products.