

A20307

Leader in Biomolecular Solutions for Life Science



SARS-CoV-2 ORF7a Rabbit pAb

Catalog No.: A20307

Basic Information

Observed MW

17kDa

Calculated MW

14kDa

Category

Polyclonal Antibody

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.~ ORF7a encodes a viral accessory protein. Based on its similarity to other coronavirus proteins, ORF7a protein is thought to be a type I transmembrane protein.

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

43740573

Swiss Prot

PODTC7

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 16-98 of coronavirus ORF7a (YP_009724395.1).

Synonyms

Contact

 www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

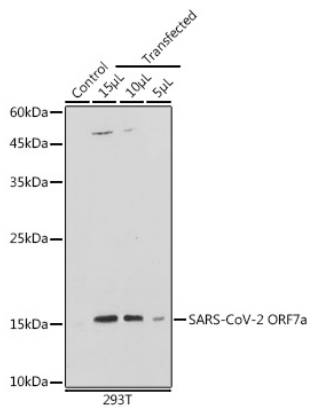
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of normal 293T cells and 293T transfected with ORF7a Protein, using SARS-CoV-2 ORF7a Rabbit pAb (A20307) 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: 1s.