

# SARS-CoV-2 ORF9b Rabbit pAb

Catalog No.: A20260    **1 Publications**

## Basic Information

**Observed MW**  
12-14kDa

**Calculated MW**  
11kDa

**Category**  
Primary antibody

**Applications**  
ELISA, WB

**Cross-Reactivity**  
Human

## Background

SARS-CoV-2 (severe acute respiratory syndrome coronavirus 2) is the causative agent of the COVID19 pandemic. SARS-CoV-2 and SARS-CoV share many proteins common in other CoVs, including 4 major structural 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 translation. Crystal structures of orf9b alone revealed a homodimeric $\beta$ -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

## Immunogen Information

**Gene ID**                  **Swiss Prot**  
P0DTD2

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-97 of coronavirus ORF9b (P0DTD2).

### Synonyms

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

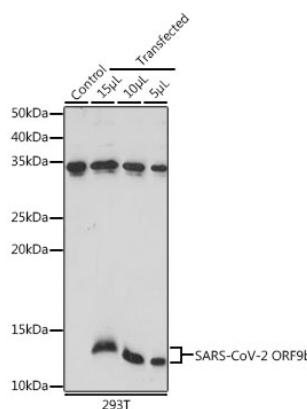
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.  
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

## Validation Data

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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 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.