

## ARG43724 anti-SARS-CoV-2 ORF9b antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SARS-CoV-2 ORF9b
Tested Reactivity	Virus
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SARS-CoV-2 ORF9b
Species	Virus
Immunogen	Synthetic peptide corresponding to 14 amino acids near the amino terminus of SARS-CoV-2 (COVID-19) ORF9b protein.  The immunogen is located in the first 50 amino acids of the SARS-CoV-2 (COVID-19) ORF9b protein.
Conjugation	Un-conjugated
Alternate Names	Accessory protein 9b, ORF-9b, Protein 9b

### Application Instructions

Application table	Application	Dilution
	ELISA	detect 2 ng of free peptide at 1 µg/mL
	WB	2 µg/mL
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

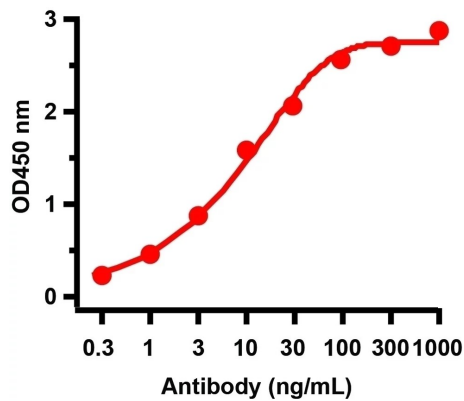
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	ORF9b
Gene Full Name	SARS-CoV-2 ORF9b
Background	Coronavirus disease 2019 (COVID-19), formerly known as 2019-nCoV acute respiratory disease, is an infectious disease caused by SARS-CoV-2, a virus closely related to the SARS virus. The disease is the cause of the 2019–20 coronavirus outbreak. The structure of 2019-nCoV consists of the following: a spike protein (S), hemagglutinin-esterase dimer (HE), a membrane glycoprotein (M), an envelope protein (E) a nucleocapsid protein (N) and RNA. ORF9b plays a role in the inhibition of host innate immune response by targeting the mitochondrial-associated adapter MAVS. Mechanistically, it usurps the E3 ligase ITCH to trigger the degradation of MAVS, TRAF3, and TRAF6. In addition, it causes mitochondrial elongation by triggering ubiquitination and proteasomal degradation of dynamin-like protein 1/DNM1L.
Highlight	Related products: <a href="#">SARS-CoV antibodies</a> ; <a href="#">SARS-CoV ELISA Kits</a> ; <a href="#">SARS-CoV recombinant proteins</a> ; <a href="#">Anti-Rabbit IgG secondary antibodies</a> ; Related news: <a href="#">HMGB1, a biomarker and therapeutic target in COVID-19</a>

## Images



ARG43724 anti-SARS-CoV-2 ORF9b antibody ELISA image

Direct ELISA: SARS-CoV-2 ORF9b peptide was coated on the plate and ARG43724 anti-SARS-CoV-2 ORF9b antibody was used as the capture antibody. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:20000 dilution. Detection range is from 1 ng/mL to 3000 ng/mL.