

SARS-CoV-2 (COVID-19) ORF9b Antibody Catalog # ASC12097

Specification

SARS-CoV-2 (COVID-19) ORF9b Antibody - Product Information

Application	WB, E
Other Accession	PODTD2.1
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG

SARS-CoV-2 (COVID-19) ORF9b Antibody - Additional Information

Alias Symbol	ORF9b
Other Names	
Accessory protein 9b, ORF-9b, Protein 9b	

Reconstitution & Storage

SARS-CoV-2 (COVID-19) ORF9b antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

SARS-CoV-2 (COVID-19) ORF9b Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SARS-CoV-2 (COVID-19) ORF9b Antibody - Protein Information

SARS-CoV-2 (COVID-19) ORF9b Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SARS-CoV-2 (COVID-19) ORF9b Antibody - Images

SARS-CoV-2 (COVID-19) ORF9b Antibody - 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 (1). The

disease is the cause of the 2019–20 coronavirus outbreak (2). 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(3).

SARS-CoV-2 (COVID-19) ORF9b Antibody - References

Gorbalenya. bioRxiv: 2020.Hui et al. Int J Infect Dis. 2020;91:264-266.Shi. et al. J. Immunol 2014; 193:3090-3089