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SARS-CoV-2 (COVID-19) NSP13 (Helicase) Antibody

Catalog # ASC12093

Product Information

Application	WB, E
Other Accession	YP_009725308.1
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Clone Names	HEL

Additional Information

Gene ID	43740578
Alias Symbol	HEL
Other Names	Helicase, Non-structural protein 13, NSP13
Reconstitution & Storage	SARS-CoV-2 (COVID-19) NSP13 (Helicase) 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) NSP13 (Helicase) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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-esterease dimer (HE), a membrane glycoprotein (M), an envelope protein (E) a nucleoclapid protein (N) and RNA. NSP13 is a multi-functional protein with a zinc-binding domain in N-terminus displaying RNA and DNA duplex-unwinding activities with 5' to 3' polarity. Activity of Helicase is dependent on magnesium(3,4).

References

Gorbalenya. bioRxiv: 2020.Hui et al. Int J Infect Dis. 2020;91:264-266.Adedeji et. al. PLoS ONE 2012; 7:E36521-E36521