

SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) Antibody

Catalog # ASC12078

Product Information

Application	WB, E
Other Accession	YP_009742612.1
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Clone Names	3CL-PRO

Additional Information

Gene ID	43740578
Alias Symbol	3CL-PRO
Other Names	3C-like proteinase, 3CLp, nsp5, Non-structure protein 5, Main protease, Mpro
Reconstitution & Storage	SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) 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) 3CL-PRO (NSP5) 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-esterase dimer (HE), a membrane glycoprotein (M), an envelope protein (E) a nucleocapsid protein (N) and RNA. 3C-like proteinase (NSP5) cleaves the C-terminus of replicase polyprotein at 11 sites (3,4,5). It recognizes substrates containing the core sequence [ILMV]-Q-|- [SGACN]. It also able to bind an ADP-ribose-1''-phosphate (ADRP) (5).

References

Gorbalenya. bioRxiv: 2020.Hui et al. Int J Infect Dis. 2020;91:264-266.Zhang et al. Science. 2020; 0:0-0(2020)Jin et al. Nature, 0:0-0(2020)Dai et al. Science 0:0-0(2020)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.