

## **SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) Antibody** Catalog # ASC12077

### **Specification**

---

#### **SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) Antibody - Product Information**

Application	WB, E
Other Accession	<a href="#">YP_009742612.1</a>
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG

#### **SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) Antibody - Additional Information**

Gene ID	43740578
Alias Symbol	3CL-PRO
<b>Other Names</b>	
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.

#### **SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) Antibody - Protein Information**

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

#### **SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) 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. 3C- like proteinase (NSP5) cleaves the C-terminus of replicase polyprotein at 11 sites (3,4,5). It recognizes substrates containing the core sequence [ILMVF]-Q-[SGACN]. It also able to bind an ADP-ribose-1''-phosphate (ADRP) (5).

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