Rabbit COVID 19 3CL-PRO (NSP5) Coronavirus Polyclonal Antibody | anti-COVID-19 antibody

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

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40908	**Rabbit**	**Virus**	**Western Blot, ELISA**

PRODUCT SYNONYMS

COVID 19 3CL-PRO (NSP5) Coronavirus; Polyclonal Antibody; SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) Antibody; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; 3CL-PRO (NSP5); anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Virus
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) Antibody is affinity chromatography purified via peptide column
Form/Format	Liquid SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-COVID-19 antibody	WB (Western Blot), ELISA
Immunogen	Anti-SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) antibody was raised against a peptide corresponding to 15 amino acids in the center of SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) protein. The immunogen is located within 80-130 amino acids of the SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) protein.
Homology	Predicted reactivity based on immunogen sequence: SARS-CoV 3CL-PRO (NSP5) protein: (87%)
Conjugation	Unconjugated
Preparation and Storage	SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) antibody can be stored at 4 degree C for three months and -20 degree 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.

IMAGES



WB (Western Blot)
Figure 2 Western Blot Validation with SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) ProteinLoading: 30 ng per lane of SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) recombinant protein. Antibodies: SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5), AAA40908, 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Lane 1: 0.5 ?g/mL and Lane 2: 1 ug/mL



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

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody	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. 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).
Product Categories/Family for anti-COVID-19 antibody	Infectious Disease; COVID-19
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	1826688922
NCBI GeneID	43740578

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/covid-19-3cl-pro-nsp5-coronavirus-antibody-western-blot-elisa/40908