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Datasheet for ABIN6990134

anti-SARS-CoV-2 NSP5 (3CL-Pro) antibody (N-Term)

Overview

Quantity:	0.1 mg
Target:	SARS-CoV-2 NSP5 (3CL-Pro) (3CL-PRO, M-Pro)
Binding Specificity:	N-Term
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SARS-CoV-2 NSP5 (3CL-Pro) antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Anti-SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) antibody was raised against a peptide corresponding to 16 amino acids near the amino terminus of SARS-CoV-2 (COVID-19) 3CL-Pro (NSP5) protein. The immunogen is located within the first 50 amino acids of the SARS-CoV-2 (COVID-19) 3CL-Pro (NSP5) protein.
Isotype:	IgG
Purification:	SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SARS-CoV-2 NSP5 (3CL-Pro) (3CL-PRO, M-Pro)
Alternative Name:	SARS-CoV-2 3CL-PRO (3CL-PRO , M-Pro Products)

Target Details

Target Type:	Viral Protein
Background:	<p>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).</p> <p>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).</p>
Gene ID:	43740578
NCBI Accession:	YP_009742612
UniProt:	P0DTC1

Application Details

Application Notes:	<p>IHC: 0.5 µg/mL, WB: 0.5 µg/mL</p> <p>Antibody validated: Immunohistochemistry in human samples. SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) antibody can detect 2 ng of free peptide at 1 µg/mL in ELISA. It can detect SARS-CoV-2 NSP5 recombinant protein by ELISA and WB. All other applications and species not yet tested.</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SARS-CoV-2 (COVID-19) 3CL-PRO (NSP5) Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C

Handling

Storage Comment: 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.