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Datasheet for ABIN6992285

## anti-SARS-CoV-2 NSP12 (RdRP) antibody (C-Term)

1 Image

1 Publication

### Overview

Quantity:	0.1 mg
Target:	SARS-CoV-2 NSP12 (RdRP) (SARS-CoV-2 RdRP)
Binding Specificity:	C-Term
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SARS-CoV-2 NSP12 (RdRP) antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	Anti-SARS-CoV-2 (COVID-19) NSP12 antibody was raised against a peptide corresponding to 16 amino acids near the carboxyl terminus of SARS-CoV-2 (COVID-19) NSP12 protein. The immunogen is located within the last 50 amino acids of the SARS-CoV-2 (COVID-19) NSP12 protein.
Isotype:	IgG
Purification:	SARS-CoV-2 (COVID-19) NSP12 antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	SARS-CoV-2 NSP12 (RdRP) (SARS-CoV-2 RdRP)
Alternative Name:	SARS-CoV-2 NSP12 ( <a href="#">SARS-CoV-2 RdRP Products</a> )

## Target Details

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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). 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. NSP12 interacts with nsp7 and nsp8.</p>
Gene ID:	43740578
UniProt:	<a href="#">P0DTC1</a>

## Application Details

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Application Notes:	<p>WB: 1-2 µg/mL</p> <p>Antibody validated: SARS-CoV-2 (COVID-19) NSP12 antibody can detect 2 ng of free peptide at 1 µg/mL in ELISA. It can detect SARS-CoV-2 NSP12 recombinant protein by ELISA and WB. All other applications and species not yet tested.</p>
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	SARS-CoV-2 (COVID-19) NSP12 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
Storage Comment:	SARS-CoV-2 (COVID-19) NSP12 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.

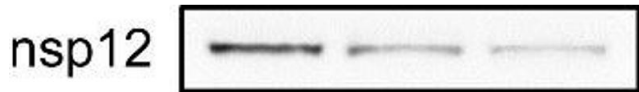
## Publications

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Product cited in: Sun, Abriola, Niederer, Pedersen, Alfajaro, Silva Monteiro, Wilen, Ho, Gilbert, Surovtseva, Lindenbach, Guo: "Restriction of SARS-CoV-2 replication by targeting programmed -1 ribosomal frameshifting." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 118, Issue 26, (2021) ([PubMed](#)).

## Images

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### Western Blotting

**Image 1.** Relative abundance of nsp12 in DMSO- or merafloxacin-treated Vero E6 cells 48 h after SARS-CoV-2 infection (MOI = 0.05). Source: PMID34185680