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Datasheet for ABIN6990150

anti-SARS-CoV-2 NSP14 antibody (AA 120-170)

Overview

Quantity:	0.1 mg
Target:	SARS-CoV-2 NSP14 (ExoN)
Binding Specificity:	AA 120-170
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SARS-CoV-2 NSP14 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Anti-SARS-CoV-2 (COVID-19) NSP14 (ExoN) antibody was raised against a peptide corresponding to 14 amino acids near the center of SARS-CoV-2 (COVID-19) NSP14 (ExoN) protein. The immunogen is located between 120-170 amino acids of SARS-CoV-2 (COVID-19) NSP14 (ExoN).
Isotype:	IgG
Purification:	SARS-CoV-2 (COVID-19) NSP14 (ExoN) Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	SARS-CoV-2 NSP14 (ExoN)
Alternative Name:	SARS-CoV-2 Guanine-N7 Methyltransferase (NSP14) (ExoN 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). 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. NSP14 (ExoN) is an enzyme possessing two different activities: an exoribonuclease activity acting on both ssRNA and dsRNA in a 3' to 5' direction and a N7-guanine methyltransferase activity (3,4,5). It acts as a proofreading exoribonuclease for RNA replication, thereby lowering The sensitivity of the virus to RNA mutagens(6,7,8).</p>
Gene ID:	43740578
NCBI Accession:	YP_009725309
UniProt:	P0DTC1

Application Details

Application Notes:	<p>IHC: 0.5 µg/mL .</p> <p>Antibody validated: Immunohistochemistry in human samples. SARS-CoV-2 (COVID-19) NSP14 (ExoN) antibody can detect 2 ng of free peptide at 1 µg/mL in ELISA. 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) NSP14 (ExoN) 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) NSP14 (ExoN) 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.