Datasheet for ABIN7270148

anti-SARS-Coronavirus Nonstructural Protein 13 (SARS-CoV NSP13) antibody

Go to Product page

Overview

Quantity:	100 µL
Target:	SARS-Coronavirus Nonstructural Protein 13 (SARS-CoV NSP13)
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Immunofluorescence (IF), Western Blotting (WB)

Product Details

Purpose:	SARS-CoV-2 NSP13 Rabbit pAb
Immunogen:	Recombinant fusion protein of SARS-CoV-2 NSP13.
Isotype:	IgG
Cross-Reactivity:	SARS Coronavirus-2 (SARS-CoV-2)
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	SARS-Coronavirus Nonstructural Protein 13 (SARS-CoV NSP13)
Alternative Name:	NSP13
Target Type:	Viral Protein

Target Details

Background:	[Spike protein S1]: attaches the virion to the cell membrane by interacting with host receptor, initiating the infection. Binding to human ACE2 receptor and internalization of the virus into the endosomes of the host cell induces conformational changes in the Spike glycoprotein. Binding to host NRP1 and NRP2 via C-terminal polybasic sequence enhances virion entry into host cell. This interaction may explain virus tropism of human olfactory epithelium cells, which express high level of NRP1 and NRP2 but low level of ACE2. The stalk domain of S contains three hinges, giving the head unexpected orientational freedom. Uses human TMPRSS2 for priming in human lung cells which is an essential step for viral entry. Can be alternatively processed by host furin. Proteolysis by cathepsin CTSL may unmask the fusion peptide of S2 and activate membranes fusion within endosomes.,NSP13
Gene ID:	43740578
UniProt:	P0DTD1

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.