

Rabbit COVID 19 NSP16 Coronavirus Polyclonal Antibody | anti-COVID-19 antibody

SARS-CoV-2 (COVID-19) NSP16 Antibody

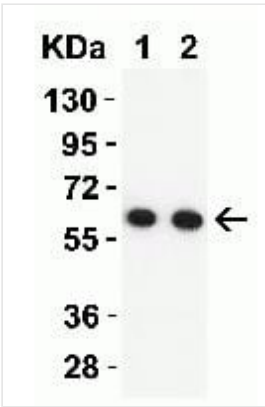
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40930	Rabbit	Virus Predicted reactivity based on immunogen sequence: SARS-CoV NSP16 protein: (88%)	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

COVID 19 NSP16 Coronavirus; Polyclonal Antibody; SARS-CoV-2 (COVID-19) NSP16 Antibody; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; NSP16; 2'-O-methyltransferase; nsp16; Non-structure protein 16; ORF1a polyprotein; ORF1ab polyprotein; anti-COVID-19 antibody

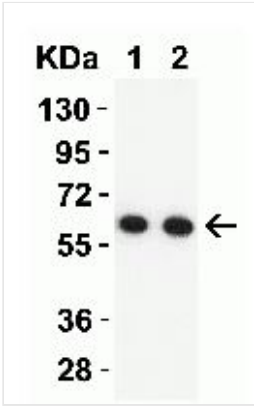
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Virus Predicted reactivity based on immunogen sequence: SARS-CoV NSP16 protein: (88%)
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	SARS-CoV-2 (COVID-19) NSP16 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid. SARS-CoV-2 (COVID-19) NSP16 antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-COVID-19 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Organism	Severe acute respiratory syndrome coronavirus 2
Immunogen	Anti-SARS-CoV-2 (COVID-19) NSP16 antibody was raised against a peptide corresponding to 16 amino acids near the central domain of SARS-CoV-2 (COVID-19) NSP16 protein. The immunogen is located within 120-170 amino acids of the SARS-CoV-2 (COVID-19) NSP16 protein.
Conjugation	Unconjugated
Protein GI#	1819735431
Preparation and Storage	SARS-CoV-2 (COVID-19) NSP16 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.



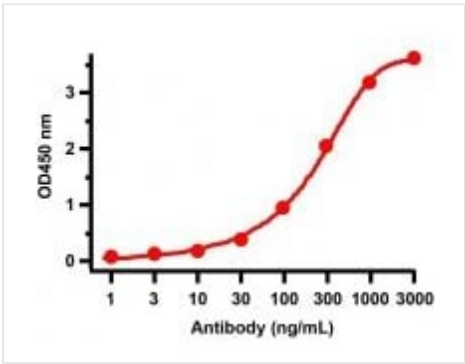
WB (Western Blot)

Figure 3 Western Blot Validation with SARS-CoV-2 (COVID-19) NSP16 Protein
Loading: 30 ng per lane of SARS-CoV-2 (COVID-19) NSP16 recombinant protein. Antibodies: SARS-CoV-2 (COVID-19) NSP16, 9271, 1h incubation at RT in 5% NFD/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Lane 1: 0.5 µg/mL and Lane 2: 0.5 µg/mL



IHC (Immunohistochemistry)

Figure 1 Immunohistochemistry Validation of SARS-CoV-2 (COVID-19) NSP16 in COVID-19 Patient Lung
Immunohistochemical analysis of paraffin-embedded COVID-19 patient lung tissue using anti- SARS-CoV-2 (COVID-19) NSP16 antibody (9271, 0.5 µg/mL). Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin. Strong signal of SARS-COV-2 NSP16 protein was observed in macrophage of COVID-19 patient lung, but not in non-COVID-19 patient lung.



ELISA

Figure 2 ELISA Validation with SARS-CoV-2 (COVID-19) NSP16 Protein Antibodies: SARS-CoV-2 (COVID-19) NSP16 Antibody, 9271. A direct ELISA was performed using SARS-CoV-2 NSP16 recombinant protein (10-418) as coating antigen and the anti-SARS-CoV-2 (COVID-19) NSP16 antibody as the capture antibody. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:20000 dilution. Detection range is from 1 ng/mL to 3000 ng/ml

ADDITIONAL INFORMATION

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.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	43740578
UniProt Accession #	P0DTC1

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.

