

Rabbit COVID 19 Spike Protein Coronavirus Polyclonal Antibody | anti-COVID-19 antibody

SARS-CoV-2 (COVID-19, 2019-nCoV) Spike Antibody

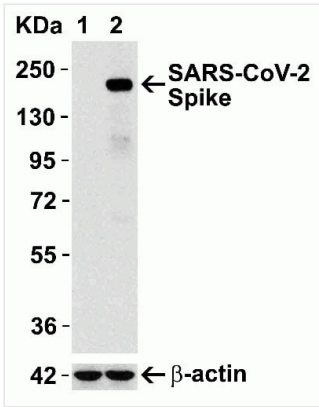
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10931	Rabbit	Virus	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

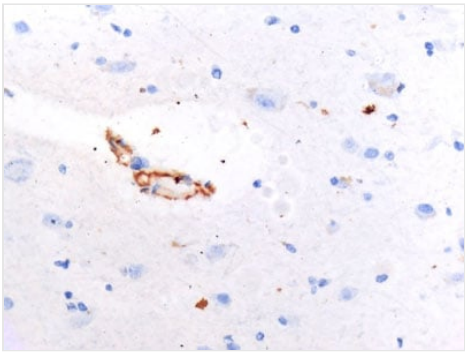
COVID 19 Spike Protein Coronavirus; Polyclonal Antibody; SARS-CoV-2 (COVID-19; 2019-nCoV) Spike Antibody; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike; anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

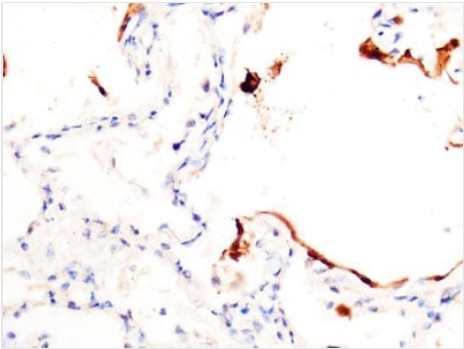
Host	Rabbit
Reactivity	Virus
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	SARS-CoV-2 (COVID-19, 2019-nCoV) Spike Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid; SARS-CoV-2 (COVID-19) Spike Antibody is supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/mL (varies by lot)
Sequence Length	1255
Applicable Applications for anti-COVID-19 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Optimal dilutions for each application to be determined by the researcher.
Conjugation	Unconjugated
Immunogen	Anti-SARS-CoV-2 (COVID-19, 2019-nCoV) Spike antibody was raised against a peptide corresponding to 20 amino acids near the carboxy terminus of SARS-CoV-2(COVID-19, 2019-nCoV) Spike glycoprotein. The immunogen is located within the last 50 amino acids of SARS-CoV-2 (COVID-19, 2019-nCoV) Spike protein.
Homology	Predicted reactivity based on immunogen sequence: SARS-CoV Spike proteins: (100%)
Protein GI NO.	1791269090
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.



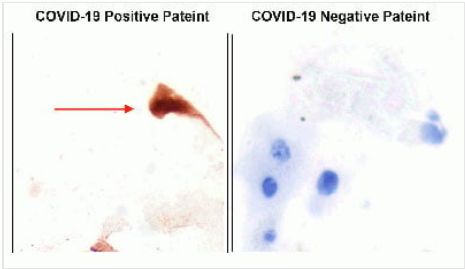
WB (Western Blot)
Figure 12 Overexpression Validation in Spike Transfected 293 Cells Loading: 15 ug per lane of 293 cell lysate. Antibodies: SARS-CoV-2 (COVID-19) Spike, AAA10931 (1 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti rabbit IgG HRP conjugate at 1:10000 dilution. Lane 1: WT293 cells and Lane 2: SARS-CoV-2 Spike overexpressed 293 cells.



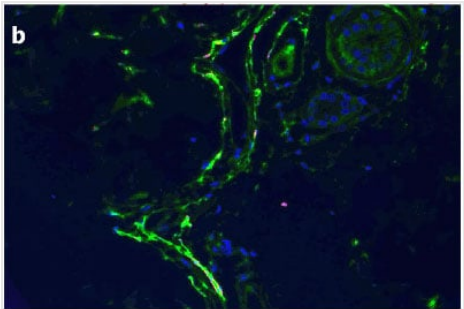
IHC (Immunohistochemistry)
Figure 11 IHC Validation of SARS-CoV2 Spike in COVID-19 Patient Brain Spike protein was detected by anti-spike antibodies (AAA10931, 0.2 ug/mL) in the brain of the COVID-19 patient confirmed by PCR. (Courtesy of Dr. Nuovo Gerard J., OSU)



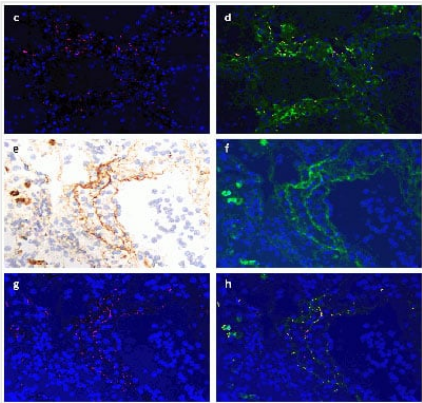
IHC (Immunohistochemistry)
Figure 10 IHC Validation of SARS-CoV2 Spike in COVID-19 Patient Lung Strong spike signal was detected by anti-spike antibodies (AAA10931, 0.2 ug/mL) in the lung of the COVID-19 patient confirmed by PCR. (Courtesy of Dr. Nuovo Gerard J., OSU)



IHC (Immunohistochemistry)
Figure 9 IHC Validation of SARS-CoV2 Spike in the Nasopharyngeal Swab Sample of the COVID-19 Patient Strong spike signal was detected by anti-spike antibodies (AAA10931, 0.2 ug/mL) in the nasopharyngeal swab sample of the COVID-19 patient and no spike signal was observed in the sample of the COVID-19 negative patient. COVID-19 cases were confirmed by PCR. (Courtesy of Dr. Nuovo Gerard J., OSU)



IF (Immunofluorescence)
Figure 8 IF Validation of SARS-CoV2 Spike in COVID-19 Patient Skin (Magro et al., 2020) C4d is highlighted green while COVID-19 spike protein detected by anti-spike antibodies (AAA10931, 0.2 ug/mL) shows a red staining pattern; a yellow signal is discernible indicative of co-localization of C4d and viral protein within the microvasculature.



IF (Immunofluorescence)
Figure 7 IF Validation of SARS-CoV2 Spike in COVID-19 Patient Lung (Magro et al., 2020) SARS-CoV2 spike protein (red, panel C) detected by anti-spike antibodies (AAA10931, 0.2 ug/mL) colocalized with C4d (green in panel d, merged in yellow). Spike protein (red, panel g) was also colocalized with C5b-9 (green in panel f&h, merged in yellow)

ADDITIONAL INFORMATION

Product Categories/Family for anti-COVID-19 antibody	Infectious Disease Research; Polyclonal Antibodies; Rabbit IgGs for Coronavirus; Anti-Spike Protein (SARS-CoV-2) Polyclonal Antibody
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References

- 1) Gorbalenya. bioRxiv: 2020.
- 2) Hui et al. Int J Infect Dis. 2020;91:264-266.
- 3) Belouzard et al. Viruses. 2012;4(6):1011-33.
- 4) Lee et al. J Virol. 2006;80(8):4079-87.
- 5) Wan et al. J Virol. 2020.
- 6) Wrapp et al. Science. 2020.

NCBI AND UNIPROT INFORMATION

NCBI GeneID

[43740568](#)

NCBI Official Full Name

Spike glycoprotein

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/covid-19-spike-protein-coronavirus-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/10931>