

Product Datasheet

SARS-CoV-2 Spike S2 Antibody - BSA Free NBP3-05701

Unit Size: 50 ug

Store at 4C.

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NBP3-05701**SARS-CoV-2 Spike S2 Antibody - BSA Free**

Product Information	
Unit Size	50 ug
Concentration	1 mg/ml
Storage	Store at 4C.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS

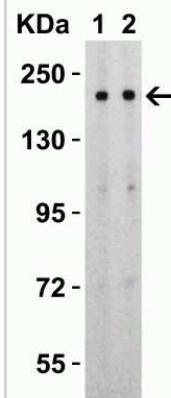
Product Description	
Description	Novus Biologicals Rabbit SARS-CoV-2 Spike S2 Antibody - BSA Free (NBP3-05701) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	43740568
Gene Symbol	S
Species	SARS-CoV-2
Immunogen	SARS-CoV-2 Spike S2 antibody was raised against a peptide corresponding to 16 amino acids near the carboxy terminus of SARS-CoV-2 Spike S2 glycoprotein. The immunogen is located within 1130-1180 amino acids of SARS-CoV-2 Spike S2 protein.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1 ug/mL, ELISA 1 ug/mL, Immunohistochemistry 0.1ug/ml, Immunocytochemistry/ Immunofluorescence 10ug/ml, Immunohistochemistry-Paraffin

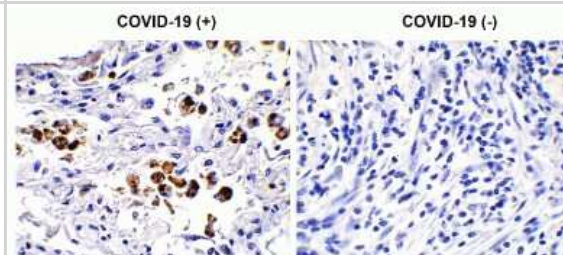


Images

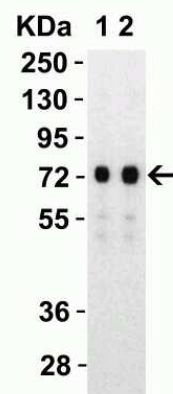
Western Blot: SARS-CoV-2 Spike S2 Antibody [NBP3-05701] - Overexpression Validation in Spike Transfected 293 Cells. Loading: 10 ug per lane of Spike transfected 293 cell lysate. Antibodies: SARS-CoV-2 Spike S2, NBP3-05701, 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Lane 1: 1 ug/mL and Lane 2: 2 ug/mL



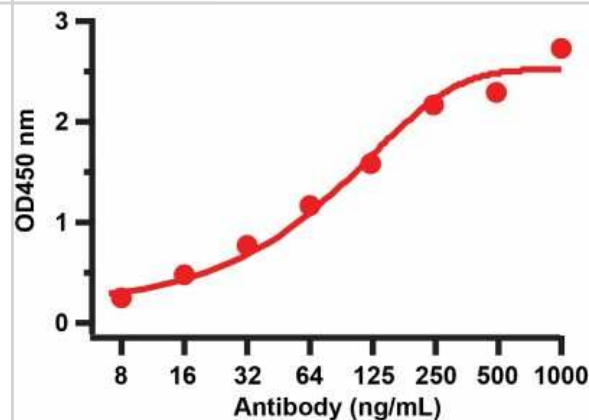
Immunohistochemistry-Paraffin: SARS-CoV-2 Spike S2 Antibody [NBP3-05701] - Immunohistochemistry Validation of SARS-CoV-2 Spike S2 in COVID-19 Patient Lung. Immunohistochemical analysis of paraffin-embedded COVID-19 patient lung tissue using anti- SARS-CoV-2 Spike S2 antibody (NBP3-05701, 0.1 ug/mL). 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 4C. 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 spike protein was observed in macrophage of COVID-19 patient lung, but not in non-COVID-19 patient lung.



Western Blot: SARS-CoV-2 Spike S2 Antibody [NBP3-05701] - Western Blot Validation with SARS-CoV-2 Spike S2 ECD Recombinant Protein. Loading: 30 ng per lane of SARS-CoV-2 Spike S2 ECD recombinant protein. Antibodies: SARS-CoV-2 Spike S2, NBP3-05701, 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Lane 1: 1 ug/mL and Lane 2: 2 ug/mL.



ELISA: SARS-CoV-2 Spike S2 Antibody [NBP3-05701] - Validation with SARS-CoV-2 Spike S2 ECD Recombinant Protein. SARS-CoV-2 Spike S2 antibody, 9123. A direct ELISA was performed using SARS-CoV-2 Spike S2 ECD recombinant protein as coating antigen and the anti-SARS-CoV-2 Spike S2 antibody as the capture antibody. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:20000 dilution. Detection range is from 8 ng/mL to 1000ng/mL.



Publications

Glas I, Zimmermann L, Luo B et al. Inactivation of SARS-CoV-2 at acidic pH is driven by partial unfolding of spike. Communications biology 2025-07-21 [PMID: 40691508]



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Products Related to NBP3-05701

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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