

# Product Datasheet

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

Unit Size: 50 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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

<b>Product Information</b>	
<b>Unit Size</b>	50 ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Peptide affinity purified
<b>Buffer</b>	PBS

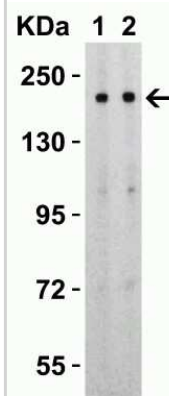
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	43740568
<b>Gene Symbol</b>	S
<b>Species</b>	SARS-CoV-2
<b>Immunogen</b>	SARS-CoV-2 Spike S2 antibody was raised against a peptide corresponding to 16 amino acids near the carboxy terminus of SARS-CoV-2 Spike S2 glycoprotein. The immunogen is located within 1130-1180 amino acids of SARS-CoV-2 Spike S2 protein.

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

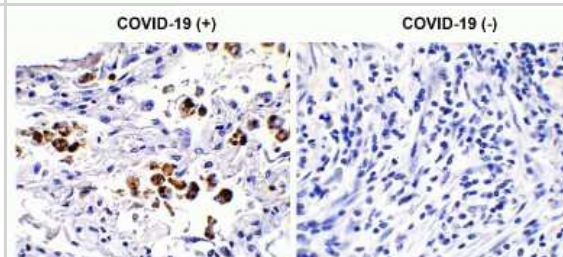


## Images

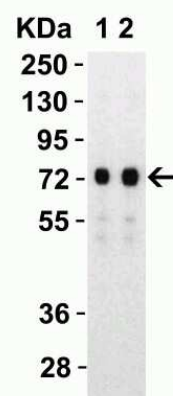
**Western Blot: SARS-CoV-2 Spike S2 Antibody [NBP3-05701] - Overexpression Validation in Spike Transfected 293 Cells.** Loading: 10 ug per lane of Spike transfected 293 cell lysate. Antibodies: SARS-CoV-2 Spike S2, NBP3-05701, 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate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



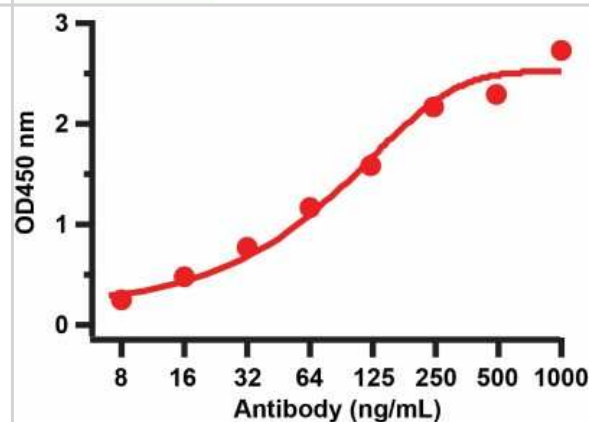
**Immunohistochemistry-Paraffin: SARS-CoV-2 Spike S2 Antibody [NBP3-05701] - Immunohistochemistry Validation of SARS-CoV-2 Spike S2 in COVID-19 Patient Lung.** Immunohistochemical analysis of paraffin-embedded COVID-19 patient lung tissue using anti-SARS-CoV-2 Spike S2 antibody (NBP3-05701, 0.1 ug/mL). 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.





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### **Products Related to NBP3-05701**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-92990	Recombinant SARS-CoV-2 Spike S2 (ECD) His (C-Term) Protein

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### **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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