

Product Datasheet

SARS-CoV-2 Envelope Antibody - BSA Free NBP2-41061

Unit Size: 0.1 mg

Store at -20 degrees C. Avoid freeze/thaw cycles.

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NBP2-41061**SARS-CoV-2 Envelope Antibody - BSA Free**

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at -20 degrees C. Avoid freeze/thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS

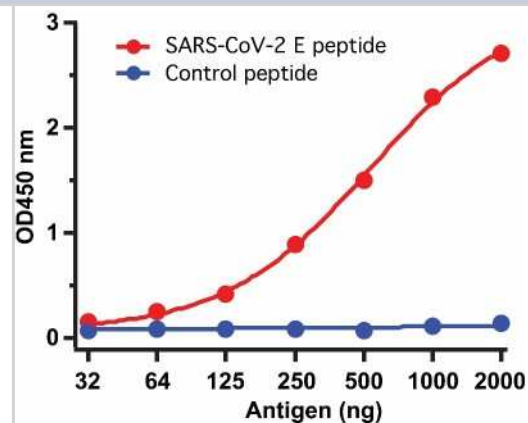
Product Description	
Description	Novus Biologicals Rabbit SARS-CoV-2 Envelope Antibody - BSA Free (NBP2-41061) is a polyclonal antibody validated for use in IHC, ELISA and ICC/IF. Anti-SARS-CoV-2 Envelope Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	43740570
Gene Symbol	E
Species	SARS-CoV-2
Immunogen	Anti-SARS-CoV-2 (COVID-19, 2019-nCoV) Envelope antibody was raised against a peptide corresponding to 10 amino acids near the amino terminus of SARS-CoV-2 (COVID-19, 2019-nCoV) Envelope protein. The immunogen is located within the first 50 amino acids of SARS-CoV-2 (COVID-19, 2019-nCoV) Envelope.

Product Application Details	
Applications	Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	ELISA 1 ug/mL, Immunohistochemistry 1-3 ug/ml, Immunocytochemistry/Immunofluorescence 1-3 ug/ml, Immunohistochemistry-Paraffin 1-3 ug/ml
Application Notes	This antibody cannot detect envelope recombinant protein in WB.

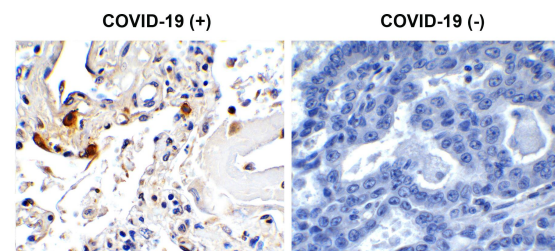


Images

ELISA: SARS-CoV-2 Envelope Antibody [NBP2-41061] - SARS-CoV-2 Envelope Antibody. A direct ELISA was performed using antigen or control peptide as coating antigen and the anti-SARS-CoV-2 Envelope antibody as the capture antibody. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:20000 dilution. Detection range is from 32 ng/mL to 2000ng/mL.



Immunohistochemistry: SARS-CoV-2 Envelope Antibody - BSA Free [NBP2-41061] - Validation of SARS-CoV-2 (COVID-19) Envelope in COVID-19 Patient Lung. Immunohistochemical analysis of paraffin-embedded COVID-19 patient lung tissue using anti- SARS-CoV-2 (COVID-19) Envelope antibody (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 envelope protein was observed in macrophage of COVID-19 patient lung, but not in non-COVID-19 patient lung.



Publications

Katharina M. Scherer, Luca Mascheroni, George W. Carnell, Lucia C. S. Wunderlich, Stanislaw Makarchuk, Marius Brockhoff, Ioanna Mela, Ana Fernandez-Villegas, Max Barysevich, Hazel Stewart, Maria Suau Sans, Charlotte L. George, Jacob R. Lamb, Gabriele S. Kaminski-Schierle, Jonathan L. Heeney, Clemens F. Kaminski SARS-CoV-2 nucleocapsid protein adheres to replication organelles before viral assembly at the Golgi/ERGIC and lysosome-mediated egress *Science Advances* 2022-01-01 [PMID: 34995113]



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Products Related to NBP2-41061

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-90986	Recombinant SARS-CoV-2 Envelope (Avi Epitope Tag) His (N-Term) Avi-tag Protein

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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