

Product Datasheet

SARS Nucleocapsid Protein Antibody Pack NBP3-05695

Unit Size: 4 Vials

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

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NBP3-05695**SARS Nucleocapsid Protein Antibody Pack**

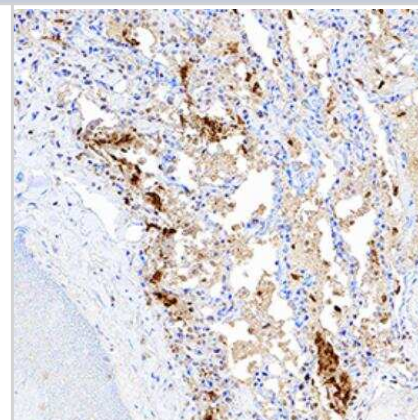
Product Information	
Unit Size	4 Vials
Concentration	Concentration of individual antibodies may be found on the vial label. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Buffer	NB100-56576 and NB100-56683: PBS, 0.05% Sodium Azide. NBP2-44205: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% Sodium Azide.

Product Description	
Description	This pack contains 1 vial each of: NBP2-44205-25ug (25 ug), NB100-56576SS (25 ug), NB100-56683SS (25 ug). NBP2-44205 is manufactured exclusively by Rockland Immunochemicals.
Gene ID	1489678
Gene Symbol	N
Species	SARS-CoV-2, SARS-CoV
Reactivity Notes	See individual datasheets of components for their validated species
Immunogen	See individual datasheets.
Kit Components	NB100-56576: SARS Nucleocapsid Protein Antibody - BSA Free, NB100-56683: SARS Nucleocapsid Protein Antibody - BSA Free, NBP2-44205 (SARS-Nucleocapsid protein Antibody) - 100 ug, HAF008: Goat anti-Rabbit IgG Secondary Antibody [HRP]

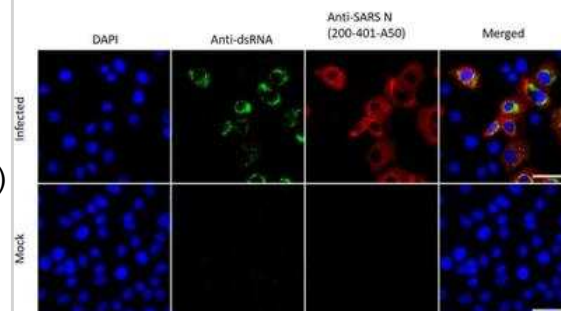
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Dual RNAscope ISH-IHC
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Dual RNAscope ISH-IHC
Application Notes	See individual datasheets of components for their validated applications

Images

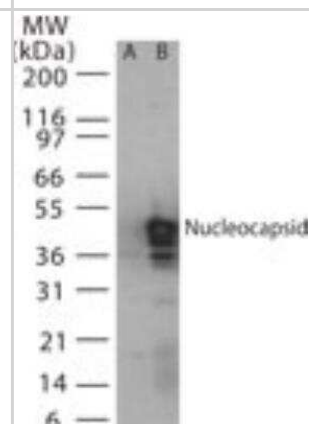
Immunohistochemistry: SARS Nucleocapsid Protein Antibody Pack [NBP3-05695] - Formalin-fixed paraffin-embedded tissue sections of SARS-CoV-2 infected human lung tissue was processed for immunohistochemistry using rabbit polyclonal anti-SARS Nucleocapsid Antibody [NB100-56576] at 15ug/mL with 1 hr incubation at 25 degrees Celsius followed by incubation with anti-rabbit IgG VisUCyte HRP Polymer Antibody [VC003] and DAB chromogen (yellow-brown). Tissue was counterstained with hematoxylin (blue). Specific staining was localized to SARS-CoV-2 infected cells.



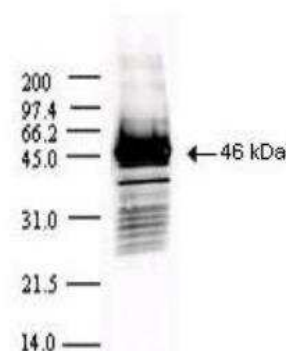
Immunocytochemistry/Immunofluorescence: SARS Nucleocapsid Protein Antibody Pack [NBP3-05695] - Immunofluorescence assay using Rabbit Anti-SARS-CoV Nucleocapsid (N) Antibody[NBP2-44205], showing viral protein synthesis. VeroE6 cells were infected with rSARS-CoV-2. Mock: non-infected cells. At 48 h.p.i, cells were fixed and prepared for immunofluorescence staining with primary antibodies directed against double-stranded RNA (dsRNA) [green] and SARS-CoV Nucleocapsid (N) [red]. Nuclear Counterstain DAPI [blue].



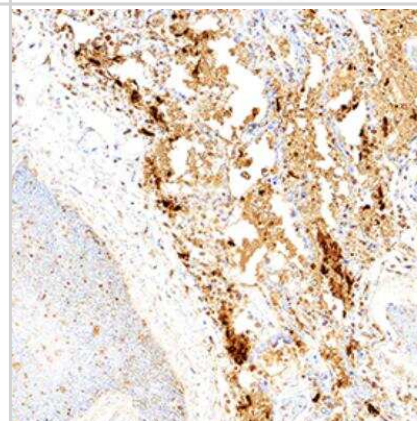
Western Blot: SARS Nucleocapsid Protein Antibody Pack [NBP3-05695] - Analysis of SARS Nucleocapsid in (A) untransfected mouse melanoma cell lysate and (B) transfected cell lysate using this antibody [NB100-56683] at a 1:2000 dilution.



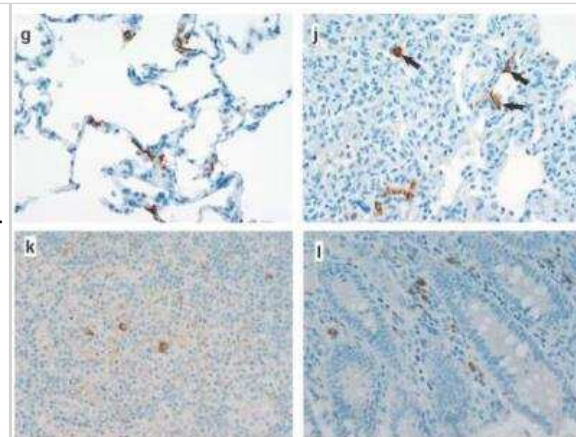
Western Blot: SARS Nucleocapsid Protein Antibody Pack [NBP3-05695] - Western blot using Protein A Purified anti-SARS CoV Nucleocapsid (N) protein antibody shows detection of a 46 kDa band corresponding to the protein. Approx. 100 ng of protein was loaded for SDS-PAGE and transferred onto nitrocellulose. The blot was incubated with a 1:5,000 dilution of the antibody[NBP2-44205] at room temperature for 1 h followed by detection using IRDy(TM) 800 labeled Goat-a-Rabbit IgG [H&L] diluted 1:10,000. The fluorescence image was captured using the Odyssey(R) Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.



Immunohistochemistry: SARS Nucleocapsid Protein Antibody Pack [NBP3-05695] - Formalin-fixed paraffin-embedded tissue sections of SARS-CoV-2 infected human lung tissue was processed for immunohistochemistry using rabbit polyclonal anti-SARS Nucleocapsid Antibody [NB100-56683] at 15ug/mL with 1 hr incubation at 25 degrees Celsius followed by incubation with anti-rabbit IgG VisUCyte HRP Polymer Antibody [VC003] and DAB chromogen (yellow-brown). Tissue was counterstained with hematoxylin (blue). Specific staining was localized to SARS-CoV-2 infected cells.



Immunohistochemistry: SARS Nucleocapsid Protein Antibody Pack [NBP3-05695] - Pathological changes in rhesus macaques infected with SARS-CoV-2. (g) SARSCoV-2 antigen is detected by immunohistochemistry in type I pneumocytes. Magnification 400x. (j) SARS-CoV-2 antigen is detected by immunohistochemistry in type I pneumocytes (asterisk) and type II pneumocytes (arrow) as well as alveolar macrophages (arrowheads). Magnification 400x. (k) SARS-CoV-2 antigen is detected by immunohistochemistry in mediastinal lymph node. Magnification 400x. (l) SARSCoV-2 antigen is detected by immunohistochemistry in macrophages and lymphocytes in the lamina propria of the cecum. Magnification 400x. bioRxiv March 21, 2020 //doi.org/10.1101/2020.03.21.001628 SARS Nucleocapsid Protein Antibody [NB100-56576]





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Products Related to NBP3-05695

NB100-56050PEP	SARS Nucleocapsid Protein Antibody Blocking Peptide
NB100-56576	SARS Nucleocapsid Protein Antibody - BSA Free

Limitations

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

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