

Product Datasheet

SARS Nucleocapsid Protein Antibody - BSA Free NB100-56683

Unit Size: 0.1 mg

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

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NB100-56683**SARS Nucleocapsid Protein Antibody - BSA Free**

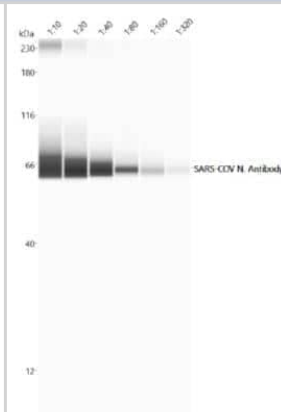
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rabbit SARS Nucleocapsid Protein Antibody - BSA Free (NB100-56683) is a polyclonal antibody validated for use in IHC, WB, ELISA, Dual RNAscope ISH-IHC, ICC/IF and Simple Western. Anti-SARS Nucleocapsid Protein Antibody: Cited in 20 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1489678
Gene Symbol	N
Species	SARS-CoV, SARS-CoV-2
Specificity/Sensitivity	The was tested on a human cell line transfected with full-length SARS Nucleocapsid cDNA with a predicted molecular weight of 46 kDa.
Immunogen	The antibody was developed by immunizing rabbits with a synthetic peptide corresponding to amino acids 354-370 (NKHIDAYKTFPPTEPKK-C) from the N (SARS Nucleocapsid) for the Human SARS coronavirus (Genbank accession no. YP_009724397.2)

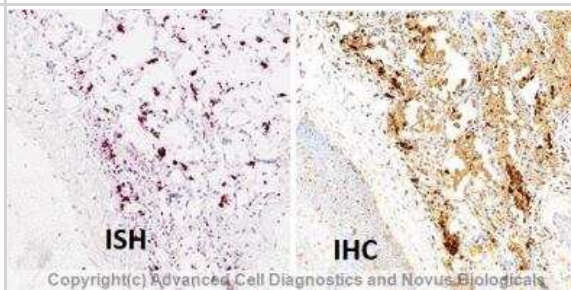
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Dual RNAscope ISH-IHC
Recommended Dilutions	Western Blot 1:100-1:2000, Simple Western 1:50, ELISA 1:100-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 16014910), Immunohistochemistry-Paraffin, Dual RNAscope ISH-IHC

Images

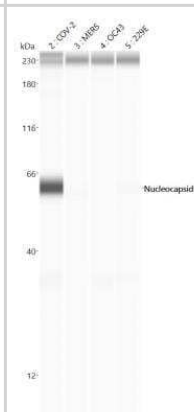
Simple Western: SARS Nucleocapsid Protein Antibody [NB100-56683] - Simple Western lane view shows recombinant SARS-CoV-2 Nucleocapsid Protein (Catalog # 10474-CV), loaded at 20 ng/mL. A specific band was detected for SARS-CoV-2 Nucleocapsid Protein at approximately 60 kDa (as indicated) using a serial dilution of Rabbit Anti-SARS-CoV Nucleocapsid Protein Polyclonal Antibody (Catalog # NB100-56683) followed by incubation with HRP-conjugated Anti-Goat IgG Secondary Antibody. This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



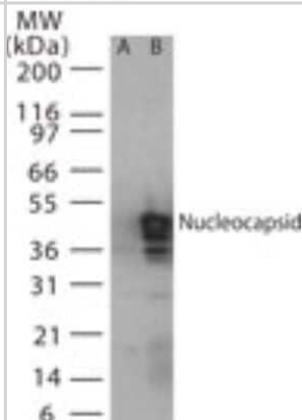
Dual RNAscope ISH-IHC: SARS Nucleocapsid Protein Antibody [NB100-56683] - Formalin-fixed paraffin-embedded tissue sections of SARS-CoV-2 infected human lung tissue were probed for SARS-CoV-2 viral RNA (ACD anti-sense specific probe v-nCoV2019-S [848561]); Fast Red chromogen, ACD [322360]). Adjacent tissue section 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.



Simple Western: SARS Nucleocapsid Protein Antibody [NB100-56683] - Simple Western lane view shows lysates of SARS-CoV-2 (1:50), MERS (1:100), OC43 (1:100), and 229E (1:100). A specific band was detected for SARS-CoV-2 Nucleocapsid Protein at approximately 60 kDa (as indicated) only in the SARS-CoV-2 lysate using 25 ug/mL of Rabbit Anti-SARS-CoV Nucleocapsid Protein Polyclonal Antibody (Catalog # NB100-56683) followed by incubation with HRP-conjugated Anti-Goat IgG Secondary Antibody. This experiment was conducted under reducing conditions and using the 12-230 kDa separation system. Note: some reactivity observed with FL Std 230. SARS-CoV-2 lysate courtesy of University of Maryland.



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



Publications

Wu X, Oppelt K, Fan M et al. The GPR4 antagonist NE-52-QQ57 increases survival, mitigates the hyperinflammatory response and reduces viral load in SARS-CoV-2-infected K18-hACE2 transgenic mice *Frontiers in Pharmacology* 2025-07-09 [PMID: 40703349]

Rebendenne A, Valad o ALC, Tauziet M et al. SARS-CoV-2 triggers an MDA-5-dependent interferon response which is unable to control replication in lung epithelial cells *Journal of Virology* 2021-03-25 [PMID: 33514628] (Immunocytochemistry/ Immunofluorescence)

Cross RW, Prasad AN, Borisevich V et al. Use of convalescent serum reduces severity of COVID-19 in nonhuman primates *Cell Reports* 2021-03-01 [PMID: 33662255] (Immunocytochemistry/ Immunofluorescence)

Poma AM, Proietti A, Macerola E, Bonuccelli D et al. Suppression of Pituitary Hormone Genes in Subjects Who Died From COVID-19 Independently of Virus Detection in the Gland *J Clin Endocrinol Metab* 2022-05-14 [PMID: 35567590]

Chang J, Grimley S, Tran B et al. Uncovering strain- and age- dependent differences in innate immune response to SARS-CoV-2 infection in nasal epithelia using combined short and long-read scRNA-seq *bioRxiv* 2023-03-09 (ICC/IF)

Gibson SA Establishment of a Transgenic Human Angiotensin Converting Enzyme-2 Hamster Infection Model for the Evaluation of Therapeutics Against Severe Acute Respiratory Syndrome Coronavirus 2 Thesis 2023-01-01 (IHC-P, Hamster)

Basolo A, Poma AM, Macerola E et al. AUTOPSY STUDY OF TESTICLES IN COVID-19: UPREGULATION OF IMMUNE-RELATED GENES AND DOWNREGULATION OF TESTIS-SPECIFIC GENES *The Journal of clinical endocrinology and metabolism* 2022-10-19 [PMID: 36260523] (IHC-P, Human)

Planes R, Pinilla M, Santoni K et al. Human NLRP1 is a sensor of pathogenic coronavirus 3CL proteases in lung epithelial cells *Molecular cell* 2022-05-16 [PMID: 35594856] (WB, SARS-CoV-2)

Basolo A, Poma AM, Bonuccelli D et al. Adipose tissue in COVID-19: detection of SARS-CoV-2 in adipocytes and activation of the interferon-alpha response *Journal of endocrinological investigation* 2022-02-15 [PMID: 35169984] (IF/IHC, SARS-CoV-2)

Gerber PP, Duncan LM, Greenwood EJ et al. A protease-activatable luminescent biosensor and reporter cell line for authentic SARS-CoV-2 infection *PLoS pathogens* 2022-02-01 [PMID: 35143592]

Bestion E, Zandi K, Belouzard S et al. GNS561 Exhibits Potent Antiviral Activity against SARS-CoV-2 through Autophagy Inhibition *Viruses* 2022-01-12 [PMID: 35062337] (WB)

Poma AM, Basolo A, Bonuccelli D et al. Activation of Type I and Type II Interferon signaling in SARS-CoV-2-positive thyroid tissue of patients dying from COVID-19 *Thyroid : official journal of the American Thyroid Association* 2021-09-19 [PMID: 34541878]

More publications at <http://www.novusbio.com/NB100-56683>





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Products Related to NB100-56683

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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