

# Product Datasheet

## SARS Nucleocapsid Protein Antibody - BSA Free NB100-56049

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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### Publications: 3

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**NB100-56049****SARS Nucleocapsid Protein Antibody - BSA Free**

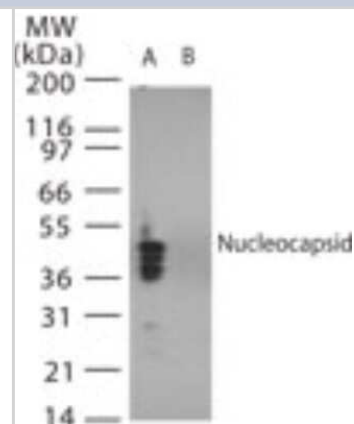
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	1489678
Gene Symbol	N
Species	SARS-CoV
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: COVID-19 (94%)
Immunogen	The antibody was developed by immunizing Rabbit with a synthetic peptide corresponding to amino acids 84-99 (C-IGYYRRATTRIRGGDG) from the N (SARS Nucleocapsid) for the Human SARS coronavirus (Genbank accession no. YP_009724397.2)

Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:100-1:2000, ELISA 1:100-1:2000
Application Notes	The antibody was tested on a cell line transfected with full-length SARS Nucleocapsid cDNA with a predicted molecular weight of 46 kDa.

**Images**

Western Blot: SARS Nucleocapsid Protein Antibody [NB100-56049] - Analysis of SARS Nucleocapsid in (A) transfected mouse melanoma cell lysate and (B) untransfected cell lysate using this antibody.



## Publications

Cameron A, Porterfield CA, Byron LD et al. A Multiplex Microsphere IgG Assay for SARS-CoV-2 Using ACE2-Mediated Inhibition as a Surrogate for Neutralization *Journal of Clinical Microbiology* 2021-01-21 [PMID: 33139422]

Ren Lili, Yang Renquan, Guo Li et al. Apoptosis induced by the SARS-associated coronavirus in Vero cells is replication-dependent and involves caspase. *DNA Cell Biol.* 2005-08-01 [PMID: 16101347]

Zhang L, Wei L, Jiang D et al. SARS-CoV nucleocapsid protein induced apoptosis of COS-1 mediated by the mitochondrial pathway. *Artif Cells Blood Substit Immobil Biotechnol.* 2007-01-01 [PMID: 17453707]

### Details:

WB: Fig. 1 (COS-1, Huh-7, and Hep2 transiently or mock-transfected with SARS Matrix, Spike, or Nucleocapsid proteins), Antibodies were transfected validated. Imgenex products cited: 1. SARS-Spike (IMG-5119A) 2. SARS-Spike (IMG-5015) 3. SARS-M (IMG-5125A).





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### **Products Related to NB100-56049**

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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
NB100-56049PEP	SARS Nucleocapsid Protein Antibody Blocking Peptide

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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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