

For Research Use Only

# SARS-CoV-2 Nucleocapsid Phosphoprotein Polyclonal antibody



Catalog Number: 28769-1-AP **2 Publications**

## Basic Information

<b>Catalog Number:</b> 28769-1-AP	<b>GenBank Accession Number:</b> NC_045512	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 43740575	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> COVID-19 N Protein	
<b>Isotype:</b> IgG		
<b>Immunogen Catalog Number:</b> AG30676		

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Recombinant protein,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Virus	
<b>Cited Species:</b> human	

## Background Information

The nucleocapsid (N) protein has multiple functions including formation of nucleocapsids, signal transduction virus budding, RNA replication, and mRNA transcription. N protein is an important antigen for coronavirus, and it is normally highly conserved, with a molecular weight of about 50 kDa. It can be used as a marker in diagnostic assays due to its high immunogenicity. (PMID: 32416961, PMID: 32235387)

## Notable Publications

Author	Pubmed ID	Journal	Application
Yi Zheng	35075101	Signal Transduct Target Ther	WB
Yongxuan Yao	36464077	Antiviral Res	WB

## Storage

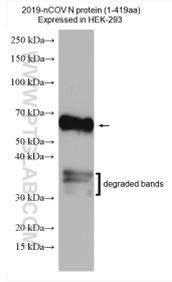
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

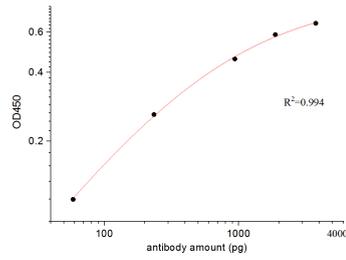
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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## Selected Validation Data



SARS-CoV-2 Nucleocapsid Phosphoprotein with the domain 1-419aa expressed in HEK-293 cells were subjected to SDS PAGE followed by western blot with 28769-1-AP (2019-nCoV nucleocapsid phosphoprotein antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



SARS-CoV-2 Nucleocapsid Phosphoprotein Antibody (28769-1-AP) tested by ELISA. SARS-CoV-2 Nucleocapsid Phosphoprotein was coated onto microtiter plates at 0.15  $\mu\text{g}/\text{well}$  and then incubated with a dilution series of SARS-CoV-2 Nucleocapsid Phosphoprotein Antibody (28769-1-AP). Bound antibodies were detected with HRP conjugated anti-Rabbit IgG followed by incubation with HRP Substrate and then measuring the resulting absorbance at 450 nm.