

For Research Use Only

# SARS-CoV-2 Nucleocapsid Phosphoprotein Polyclonal antibody

Catalog Number: 28769-1-AP

3 Publications



## Basic Information

Catalog Number:

28769-1-AP

GenBank Accession Number:

NC\_045512

Purification Method:

Antigen affinity purification

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 600 ug/ml by Bradford method using BSA as the standard;

GeneID (NCBI):

43740575

Recommended Dilutions:

WB 1:500-1:2000

Full Name:

COVID-19 N Protein

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30676

## Applications

Tested Applications:

WB, ELISA

Positive Controls:

WB: Recombinant protein,

Cited Applications:

WB

Species Specificity:

Virus

Cited Species:

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
Xinyi Kong	38734674	Virol J	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

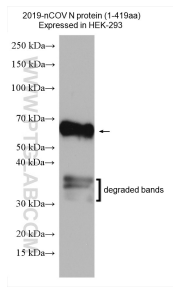
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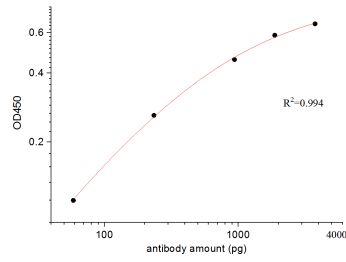
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## Selected Validation Data



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  $\mu$ g/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.