

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
Size: 600 µg/ml
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG30676

GenBank Accession Number: NC_045512
GeneID (NCBI): 43740575
Full Name: COVID-19 N Protein

Purification Method: Antigen affinity purification
Recommended Dilutions: WB 1:500-1:2000

Applications

Tested Applications: WB, ELISA
Cited Applications: WB
Species Specificity: Virus
Cited Species: human

Positive Controls: WB : Recombinant protein,

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	Virology	WB

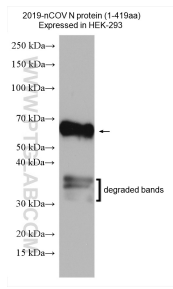
Storage

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

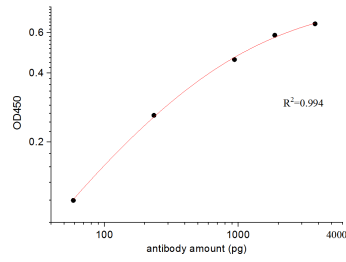
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Selected Validation Data



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 μ 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.