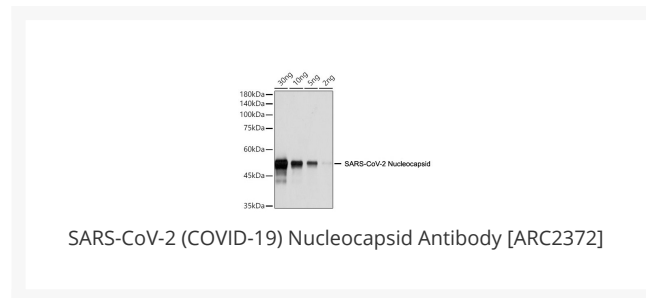




# SARS-CoV-2 (COVID-19) Nucleocapsid Antibody [ARC2372]

Cat. No.: 24-031




## Ψ Specifications

<b>HOST SPECIES:</b>	Rabbit
<b>SPECIES REACTIVITY:</b>	Virus
<b>IMMUNOGEN:</b>	Recombinant protein
<b>TESTED APPLICATIONS:</b>	ELISA, Flow, IF, IHC, IP, WB
<b>APPLICATIONS:</b>	WB: 1:1000 - 1:5000, Elisa: 1:1000 - 1:5000, FCM, 1:50 - 1:200, IHC: 1:50 - 1:200, IF: 1:50 - 1:200, IP: 1:50 - 1:200

## Ψ Properties

<b>PURIFICATION:</b>	Affinity purification
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	IgG
<b>CONJUGATE:</b>	Unconjugated
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3
<b>STORAGE CONDITIONS:</b>	Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

<b>OFFICIAL SYMBOL:</b>	N
<b>ALTERNATE NAMES:</b>	SARS-CoV-2 Nucleocapsid Protein, SARS-CoV-2 NP, nucleocapsid protein [Severe acute respiratory syndrome coronavirus 2], novel coronavirus N Protein, novel coronavirus Nucleocapsid Protein, 2019-nCoV Nucleoprotein, 2019-nCoV N, 2019nCoV N, 2019-nCoV N Protein, 2019 peak N Protein, 2019-nCoV nucleocapsid protein.
<b>ACCESSION NO.:</b>	QHD43423.2
<b>GENE ID:</b>	1489678
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.

 Background and References

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<b>BACKGROUND:</b>	Coronaviruses are enveloped viruses with a positive-sense RNA genome and with a nucleocapsid of helical symmetry. Coronavirus nucleoproteins localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.
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