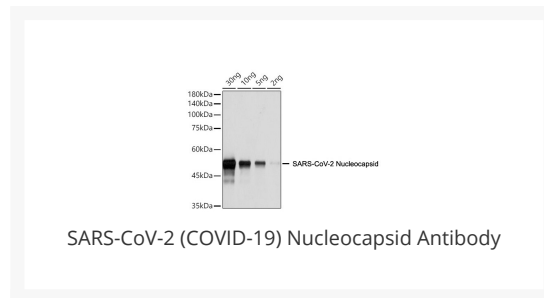




SARS-CoV-2 (COVID-19) Nucleocapsid Antibody

Cat. No.: 24-031



Ψ Specifications

HOST SPECIES:	Rabbit
SPECIES REACTIVITY:	Virus
IMMUNOGEN:	Recombinant protein
TESTED APPLICATIONS:	ELISA, Flow, IF, IHC, IP, WB
APPLICATIONS:	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

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

OFFICIAL SYMBOL:	N
ALTERNATE NAMES:	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.
ACCESSION NO.:	QHD43423.2
GENE ID:	1489678
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.

Background and References

BACKGROUND:	<p>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.</p>
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