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35-1880: SARS-CoV-2 (2019-nCoV) Nucleoprotein / NP Antibody, Rabbit MAb

Clonality :	Monoclonal
Application :	WB
Alternative Name :	Anti-coronavirus NP Antibody; Anti-coronavirus Nucleocapsid Antibody; Anti-coronavirus Nucleoprotein Antibody; Anti-cov np Antibody; Anti-ncov NP Antibody; Anti-NCP-CoV Nucleocapsid Antibody; Anti-novel coronavirus NP Antibody; Anti-novel coronavirus Nucleocapsid Antibody; Anti-novel coronavirus Nucleoprotein Antibody; Anti-np Antibody; Anti-nucleocapsid Antibody; Anti-Nucleoprotein Antibody
Isotype :	Rabbit IgG
Immunogen Information :	This antibody was obtained from a rabbit immunized with purified, recombinant SARS-CoV Nucleoprotein / NP (NP_828858.1; Met1-Ala422).

Description

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.

Product Info

Amount :	50 µl / 100 µl
Purification :	Protein A
Content :	0.2 um filtered solution in PBS
Storage condition :	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Application Note

WB 1:1000-1:5000; Validated Applications:WB,ELISA,IHC-P,FCM,ICC/IF,IP Specificity: 2019-nCoV CoV Nucleocapsid Has cross-reactivity in ELISA and WB with SARS-CoV Nucleoprotein / NP Protein .

For Research Use Only. Not for use in diagnostic/therapeutics procedures.