

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

Catalog No: #21805

Package Size: #21805-1 50ul #21805-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	SARS-CoV-2 (2019-nCoV) Nucleoprotein / NP Antibody, Rabbit MAb
Purification	Protein A
Specificity	2019-nCoV CoV Nucleocapsid Has cross-reactivity in ELISA and WB with SARS-CoV Nucleoprotein / NP Protein .
Conjugates	Unconjugated
Other Names	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
Formulation	0.2 um filtered solution in PBS
Storage	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 Details

WB 1:1000-1:5000

Validated Applications:WB,ELISA,IHC-P,FCM,ICC/IF,IP (Antibody's applications have not been validated with corresponding viruses. Optimal concentrations/dilutions should be determined by the end user.)

Product Description

Preparation Method:This antibody was obtained from a rabbit immunized with purified, recombinant SARS-CoV Nucleoprotein / NP (NP_828858.1; Met1-Ala422).Shipping Method:This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Background

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.

References

Van Boheemen S, et al. (2012), MBio. 3(6):e00473-12. Bisht H. et al., 2004, Proc Natl Acad Sci. 101 (17): 6641-6. Li W. et al., 2005, Science. 309 (5742): 1864-8.

Note: This product is for in vitro research use only