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Datasheet for ABIN7072836

anti-SARS-Coronavirus Nucleocapsid Protein (SARS-CoV N) (AA 1-422) antibody

Overview

Quantity:	100 µL
Target:	SARS-Coronavirus Nucleocapsid Protein (SARS-CoV N)
Binding Specificity:	AA 1-422
Reactivity:	Coronavirus (CoV)
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunoprecipitation (IP)

Product Details

Immunogen:	This antibody was obtained from a rabbit immunized with purified, recombinant SARS-CoV Nucleoprotein / NP (NP_828858.1, Met1-Ala422).
Characteristics:	2019-nCoV CoV Nucleocapsid Has cross-reactivity in ELISA and WB with SARS-CoV Nucleoprotein / NP Protein .

Target Details

Target:	SARS-Coronavirus Nucleocapsid Protein (SARS-CoV N)
Alternative Name:	Coronavirus Nucleocapsid Protein (SARS-CoV N Products)
Target Type:	Viral Protein

Target Details

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.

Application Details

Application Notes: 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.)

Restrictions: For Research Use only

Handling

Buffer: 0.2 um filtered solution in PBS

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: 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.