
Anti-2019-nCoV N Protein antibody



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.

Model	STJ11101210
Host	Rabbit
Reactivity	2019-nCoV
Applications	ELISA, FC, IF, IHC, IP, WB
Immunogen	Recombinant fusion protein of 2019-nCoV Nucleoprotein.
Dilution range	WB 1:1000-1:5000 ELISA 1:1000-1:5000 FC 1:50-1:200 IHC 1:50-1:200 IF 1:50-1:200 IP 1:50-1:200
Purification	Affinity purification
Note	FOR RESEARCH USE ONLY (RUO).
Clonality	Monoclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at 4°C and avoid freeze-thaw cycles.

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