

SARS-COV-2 N Protein Rabbit Polyclonal Antibody

CAB20016



Product Information

Size:

50uL, 100uL

Observed MW:**Calculated MW:****Applications:**

WB IHC IF IP FC ELISA

Reactivity:

SARS-CoV-2

Antibody Information

Recommended dilutions:

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

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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.

Immunogen information

Gene ID:

1489678

Uniprot

P59595

Synonyms:

Nucleoprotein; NP

Immunogen:

Recombinant fusion protein of SARS-COV-2 Nucleoprotein.

Storage:

Store at 4°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images
