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Anti-COVID-19 Nucleocapsid Protein Antibody

Rabbit polyclonal antibody to COVID-19 Nucleocapsid Protein
Catalog # AP61625

Specification

Anti-COVID-19 Nucleocapsid Protein Antibody - Product Information

Application	**WB, E**
Primary Accession	P0DTC9
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**45626**

Anti-COVID-19 Nucleocapsid Protein Antibody - Additional Information

Gene ID 43740575

Other Names
Nucleoprotein; Nucleocapsid protein; NC; Protein N

Target/Specificity
Recognizes COVID-19 Nucleocapsid Protein.

Dilution
WB~~1:1000
E~~N/A

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-COVID-19 Nucleocapsid Protein Antibody - Protein Information

Name N {ECO:0000255|HAMAP-Rule:MF_04096}

Function
Packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M (PubMed:33264373). Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Attenuates the stress granules formation by reducing host G3BP1 access to host mRNAs under stress conditions (PubMed:34901782, PubMed:36534661).

Cellular Location

Virion {ECO:0000255|HAMAP-Rule:MF_04096}. Host cytoplasm Secreted. Host extracellular space. Note=Probably associates with ER-derived membranes where it participates in viral RNA synthesis and virus budding. When located inside the virion, complexed with the viral RNA Can be secreted by unconventional protein secretion (UPS) (PubMed:35921414). When secreted, can bind to host glycosaminoglycans on infected and non infected cells (PubMed:35921414). Found in host cytoplasmic stress granules (PubMed:34901782). {ECO:0000255|HAMAP- Rule:MF_04096, ECO:0000269|PubMed:34901782, ECO:0000269|PubMed:35921414}

Anti-COVID-19 Nucleocapsid Protein Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-COVID-19 Nucleocapsid Protein Antibody - Images

Anti-COVID-19 Nucleocapsid Protein Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of COVID-19 Nucleocapsid Protein. The exact sequence is proprietary.