

Rabbit COVID 19 Nucleocapsid (NP) Coronavirus Polyclonal Antibody | anti-COVID-19 antibody

Rabbit anti SARS-CoV2 (N) polyclonal antibody

CATALOG #	HOST	APPLICATIONS
AAA71443	Rabbit	Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry, Western Blot, ELISA

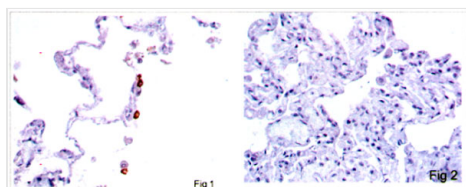
PRODUCT SYNONYMS

COVID 19 Nucleocapsid (NP) Coronavirus; Polyclonal Antibody; Rabbit anti SARS-CoV2 (N) polyclonal antibody; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Nucleocapsid; Nucleoprotein (NP); SARS-CoV-2(N) nucleocapsid protein; anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This antibody recognizes SARS-Cov2 Nucleocapsid protein.
Purity/Purification	The Rabbit IgG is purified by site-directed Epitope Affinity Purification
Form/Format	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Applicable Applications for anti-COVID-19 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Preparation	A synthetic corresponding to N-terminus of SARS-COV2-Neucleocapsid Protein.
Positive Control	Sars-Cov2 infected lung tissue
Cellular Location	Cytoplasm
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C to 8°C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



IHC (Immunohistochemistry)

IHC: Human Lung Tissue stained with Rabbit anti SARS-CoV2 (N) antibody, AAA71443 at 1:100 for 10 minutes at room temperature. Staining of formalin-fixed tissue requires boiling tissue sections in 10mM Citrate Buffer, pH6.0 for 10 minutes followed by cooling at room temperature for 20 minutes. Fig 1 Positive alveolar macrophages in the lung tissue; Figure 2 is a negative staining of Lung tissue.

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody

SARS-CoV-2, which causes the COVID-19 disease, is a novel coronavirus which results in an acute respiratory syndrome. It is an enveloped positive-sense RNA virus. SARS-CoV-2 contains four structural proteins: E (envelope), M (membrane), S (spike), and N (nucleocapsid) proteins. The N protein holds the RNA genome, and the S, E, and M proteins form the viral envelope. Coronavirus S protein is a large, multifunctional class I viral transmembrane protein. It is required for the entry of the virion particles into the cell through a contact with host cellular receptors. The S-protein of coronavirus consists of S1 and S2 functional units. S1 is responsible for host receptor binding, S2 is in charge of fusion. The nucleocapsid (N) is a 45 kDa protein, one of the major structural proteins of the virus. It binds directly to viral RNA and provides stability. N-protein is involved in the transcription and viral RNA replication, packaging of the genome into helical ribonucleocapsid, and interference with cell cycle processes of host cells.

NCBI AND UNIPROT INFORMATION

NCBI GeneID

[43740575](#)

Molecular Weight

~45 kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/covid-19-nucleocapsid-np-coronavirus-antibody-flow-cytometry-immunoprecipitation-immunohistochemistry-western-blot-elisa/71443>