

Rabbit anti-SARS-CoV-2 COVID 19 NSP13 Coronavirus Polyclonal Antibody | anti-COVID-19 antibody

SARS-CoV-2 NSP13 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282180	Rabbit	SARS-CoV-2	Immunofluorescence, Western Blot

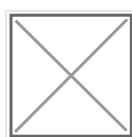
PRODUCT SYNONYMS

COVID 19 NSP13 Coronavirus; Polyclonal Antibody; SARS-CoV-2 NSP13 Rabbit pAb; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; NSP13; anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

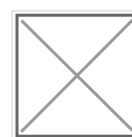
Host	Rabbit
Reactivity	SARS-CoV-2
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Liquid. PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Applicable Applications for anti-COVID-19 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein of SARS-CoV-2 NSP13.
Positive Samples	293T
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of 293T cells transfected with SARS-CoV-2 NSP13(His-tag) and untreated 293T cells using SARS-CoV-2 NSP13 Rabbit pAb (AAA282180) at dilution of 1:25 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of normal 293T cells and 293T transfected with NSP13 Protein, using SARS-CoV-2 NSP13 antibody (AAA282180) at 1:5000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody

Spike protein S1: attaches the virion to the cell membrane by interacting with host receptor, initiating the infection. Binding to human ACE2 receptor and internalization of the virus into the endosomes of the host cell induces conformational changes in the Spike glycoprotein. Binding to host NRP1 and NRP2 via C-terminal polybasic sequence enhances virion entry into host cell. This interaction may explain virus tropism of human olfactory epithelium cells, which express high level of NRP1 and NRP2 but low level of ACE2. The stalk domain of S contains three hinges, giving the head unexpected orientational freedom. Uses human TMPRSS2 for priming in human lung cells which is an essential step for viral entry. Can be alternatively processed by host furin. Proteolysis by cathepsin CTSL may unmask the fusion peptide of S2 and activate membranes fusion within endosomes.

Product Categories/Family for anti-
COVID-19 antibody

[Catalog Antibodies](#); [Polyclonal Antibodies](#); [Primary Antibodies](#)

NCBI AND UNIPROT INFORMATION

NCBI GeneID	43740578
UniProt Accession #	P0DTD1
Molecular Weight	Observed MW: 75KDa

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-nsp13-coronavirus-antibody-immunofluorescence-western-blot-elisa/282180>