Rabbit COVID 19 NSP4 Coronavirus Polyclonal Antibody | anti-SARS-CoV-2NSP4 antibody

SARS-CoV-2 NSP4 Rabbit pAb

CATALOG #	HOST	APPLICATIONS
AAA282063	**Rabbit**	**Western Blot**

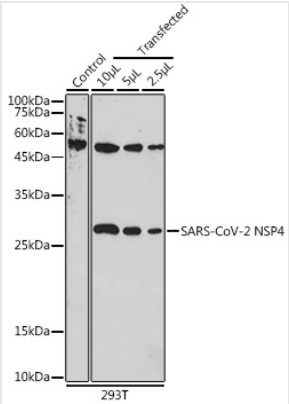
PRODUCT SYNONYMS

COVID 19 NSP4 Coronavirus; Polyclonal Antibody; SARS-CoV-2 NSP4 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; Nucleocapsid; Nucleoprotein (NP); NSP4; anti-SARS-CoV-2NSP4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-SARS-CoV-2NSP4 antibody	WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 399-499 of coronavirus NSP4 (YP_009725300.1).
Species Reactivty / Cross Reactvity	SARS-CoV-2
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.|Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of normal 293T cells and 293T transfected with NSP4 Protein, using SARS-CoV-2 NSP4 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-SARS-CoV-2NSP4 antibody	Background: Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID-19). Virus particles include the RNA genetic material and structural proteins needed for invasion of host cells. Once inside the cell the infecting RNA is used to encode structural proteins that make up virus particles, nonstructural proteins that direct virus assembly, transcription, replication and host control and accessory proteins whose function has not been determined.~ ORF1ab, the largest gene, contains overlapping open reading frames that encode polyproteins PP1ab and PP1a. The polyproteins are cleaved to yield 16 nonstructural proteins, NSP1-16. Production of the longer (PP1ab) or shorter protein (PP1a) depends on a -1 ribosomal frameshifting event. The proteins, based on similarity to other coronaviruses, include the papain-like proteinase protein (NSP3), 3C-like proteinase (NSP5), RNA-dependent RNA polymerase (NSP12, RdRp), helicase (NSP13, HEL), endoRNAse (NSP15), 2'-O-Ribose-Methyltransferase (NSP16) and other nonstructural proteins. SARS-CoV-2 nonstructural proteins are responsible for viral transcription, replication, proteolytic processing, suppression of host immune responses and suppression of host gene expression. The RNA-dependent RNA polymerase is a target of antiviral therapies.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	43740578
UniProt Accession #	P0DTD1
Molecular Weight	Observed MW: 28kDa Calculated MW: 794kDa

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://www.aaabiotech.com/polyclonal/covid-19-nsp4-coronavirus-antibody-western-blot-elisa/282063