

Rabbit anti-Human Spike S1 Polyclonal Antibody | anti-SARSCoV2 antibody

SARS CoV2 Spike S1 Antibody

CATALOG # AAA78560	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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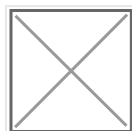
PRODUCT SYNONYMS

Spike S1; Polyclonal Antibody; SARS CoV2 Spike S1 Antibody; nCov; Sars-Cov-2; anti-SARSCoV2 antibody

PRODUCT SPECIFICATIONS

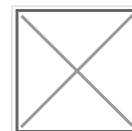
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Protein A Purification
Form/Format	Purified; 25 ug in 50 ul/100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-SARSCoV2 antibody	WB (Western Blot), ELISA
Immunogen	The target protein is expressed with sequence (AA 14-683) of SARS-CoV-2/COVID-19 Spike S1 sequence fused with a 10Å—His tag in C-Terminal.
Preparation and Storage	Store the antibody at 4 degree C, stable for 6 months. For long-term storage, store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



WB (Western Blot)

Figure-2: Western Blot analysis of Coronavirus (COVID-19) Spike Antibody: Anti- Coronavirus (COVID-19) Spike Antibody was used at 1 ug/ml on (1) mammalian expressed full length spike S1 (21-1008) protein and (2) SARS-CoV-2 Spike RBD Recombinant protein.



ELISA

Figure-1: The Sandwich ELISA was carried out by coating the 96 well plate with 200 ng/well of ABM1H9.1E6 monoclonal antibody. The Mammalian expressed full-length SARS-CoV-2 Spike S1 protein (21-1008) was serially diluted from 50 ng to 0.39 ng in triplicates across rows. The polyclonal antibody (200 ng/well) was used as detection antibody. Goat Anti-rabbit HRP was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SARSCoV2 antibody	The spike (S) protein of nCoV/SARS-CoV-2/COVID-19 is one of the structural glycoproteins that remains embedded in viral envelope and acts as the fundamental component of early viral infection of nCoV/SARS-CoV-2/COVID-19 upon binding the host receptor. The nCoV/SARS-CoV-2/COVID-19 has a trimeric spike protein which has two main domains such as S1 domain for receptor binding and S2 domain for membrane fusion and several specific cleavage sites in S1- S2 boundary junction that needs a novel, endocytic protease- primed cleavage to get activated during infection. It mainly binds to the furin protein on the cell membrane which performs trypsin like proteolytic cleavage and then the protein gets activated facilitating its entry into the host. This transmembrane spike protein of nCoV/SARS-CoV-2/COVID-19 shares binding property to the Angiotensin Converting Enzyme 2 (ACE2) likely to that of SARS- CoV. The high affinity of nCoV/SARS-CoV-2/COVID-19 Spike protein for human ACE2 may contribute to the apparent ease with which nCoV/SARS-CoV-2/COVID-19 can spread from human-to-human and make nCoV/SARS-CoV-2/COVID-19 pandemic.
Product Categories/Family for anti-SARSCoV2 antibody	Infectious Diseases

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P0DTC2
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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/spike-s1-antibody-western-blot-elisa/78560>