

SARS-CoV-2 Spike RBD (N501Y) Rabbit mAb

Catalog No.: A21254

Recombinant

2 Publications

Basic Information

Observed MW

36kDa

Calculated MW

141KD

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

SARS-CoV-2

CloneNo number

ARC52673

Conjugate

Unmodified

Recommended Dilutions

WB 1:1000 - 1:5000

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.~ The structural proteins of SARS-CoV-2 include the envelope protein (E), spike or surface glycoprotein (S), membrane protein (M) and the nucleocapsid protein (N). The spike glycoprotein is found on the outside of the virus particle and gives coronavirus viruses their crown-like appearance. This glycoprotein mediates attachment of the virus particle and entry into the host cell. S protein is an important target for vaccine development, antibody therapies and diagnostic antigen-based tests.

Immunogen Information

Gene ID

43740568

Swiss Prot

P0DTC2


Immunogen

A synthetic peptide corresponding to a sequence within amino acids 450-550 of coronavirus SARS-CoV-2 Spike RBD (N501Y) (YP_009724390.1).

Synonyms

spike glycoprotein; SARS-CoV-2 Spike RBD (N501Y)

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

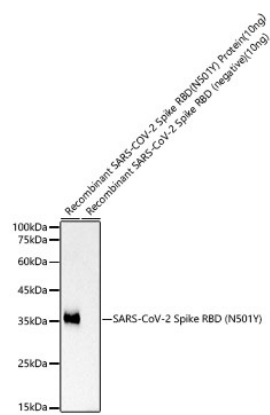
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates, using SARS-CoV-2 Spike RBD (N501Y) antibody (A21254) at 1:2000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.