SARS-CoV Spike RBD Rabbit pAb

Catalog No.: A20606



Basic Information

Observed MW 200kDa

Calculated MW 139kDa

Category **Polyclonal Antibody**

Applications WB, ELISA

Cross-Reactivity SARS-CoV

Background

The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell. Known receptors bind S1 are ACE2, angiotensinconverting enzyme 2; DPP4, dipeptidyl peptidase-4; APN, aminopeptidase N; CEACAM, carcinoembryonic antigen-related cell adhesion molecule 1; Sia, sialic acid; O-ac Sia, Oacetylated sialic acid. The spike is essential for both host specificity and viral infectivity. The term 'peplomer' is typically used to refer to a grouping of heterologous proteins on the virus surface that function together. The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process. It's been reported that SARS-CoV-2 (COVID-19 coronavirus, 2019nCoV) can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor.

Recommended Dilutions Immunogen Information

WB	1:500 - 1:1000	Gene ID 1489668	Swiss Prot P59594
		Immunogen A synthetic pentide corresponding to a sequence within amino acids 350-450 (

A synthetic peptide corresponding to a sequence within amino acids 350-450 of coronavirus Spike RBD (NP_828851.1).

Synonyms

E2; SARS-CoV Spike RBD

Contact
contact

Product Information

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Source Rabbit

Isotype IgG

Purification Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using SARS-CoV Spike RBD Rabbit pAb (A20606) at 1:1000 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: 10s.