

# SARS-CoV-2 Spike S2 Rabbit pAb

Catalog No.: A20284

## Basic Information

### Observed MW

36kDa

### Calculated MW

141kDa

### Category

Primary antibody

### Applications

ELISA,WB,IP

### Cross-Reactivity

SARS-CoV-2

## 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.

## Recommended Dilutions

|           |  |
|-----------|--|
| <b>WB</b> | 1:500 - 1:1000   |
| <b>IP</b> | 0.5µg-4µg antibody for<br>200µg-400µg extracts of<br>whole cells |

## Immunogen Information

### Gene ID

43740568

### Swiss Prot

P0DTC2

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1174-1273 of SARS-CoV-2 Spike S2 (YP\_009724390.1).

### Synonyms

spike glycoprotein; SARS-CoV-2 Spike S2

## Contact

|  |                           |
|--|---------------------------|
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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

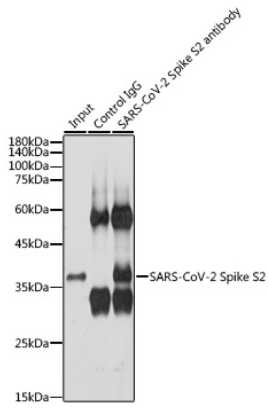
Affinity purification

### Storage

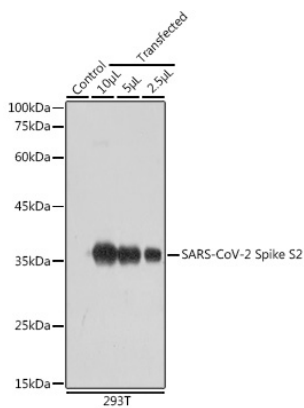
Store at -20°C. Avoid freeze / thaw cycles.

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

## Validation Data



Immunoprecipitation analysis of 300 µg extracts of 293T cells using 3 µg SARS-CoV-2 Spike S2 antibody (A20284). Western blot was performed from the immunoprecipitate using SARS-CoV-2 Spike S2 antibody (A20284) at a dilution of 1:3000.



Western blot analysis of extracts of normal 293T cells and 293T transfected with Spike S2 Protein, using SARS-CoV-2 Spike S2 Rabbit pAb (A20284) 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: 5s.