

## SARS-CoV-2 Spike S1 Antibody

**CAB20136**

### Description

---

This SARS-CoV-2 Spike S1 Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

---

**SKU:** CAB20136

**Contents:** 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

**Category:** Polyclonal Antibody

**Synonyms:** spike glycoprotein, SARS-CoV-2 Spike S1

**Clone:** -

**Applications:** WB IF/ICC IP ELISA

**Conjugation:** -

**Reactivity:** Human, SARS-CoV-2

### Antibody Data

---

**Gene ID:** 43740568

**Uniprot:** AB\_2862928

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 110kDa

**Calculated MW:** 141kDa

## Preparation & Storage

---

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** 293T

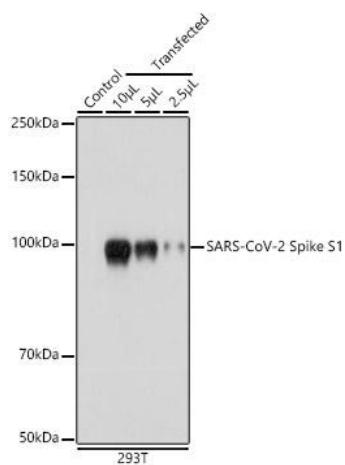
**Recommended Dilutions:**

<b>WB</b>	1:500 - 1:1000
<b>IF/ICC</b>	1:100 - 1:500
<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
<b>ELISA</b>	1:20000-1:80000

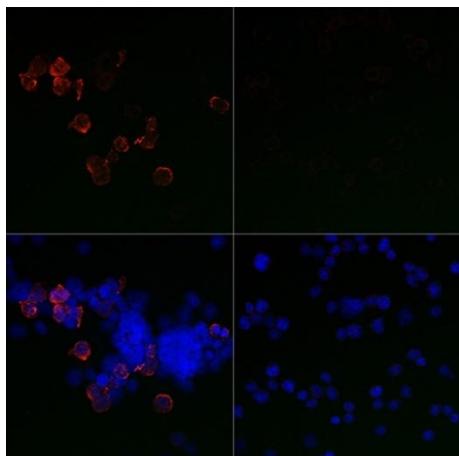
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

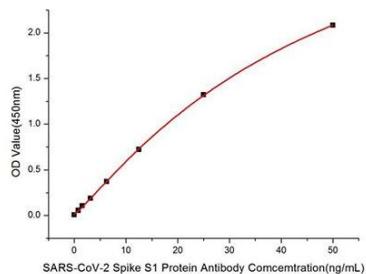
---



Western blot analysis of lysates from 293T cells, using SARS-CoV-2 Spike Rabbit pAb (CAB20136) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.



Immunofluorescence analysis of 293T cells transfected with SARS-CoV-2 Spike fusion protein (top left) and untreated 293T cells (top right) use SARS-CoV-2 Spike Rabbit pAb (CAB20136) at dilution of 1:400 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immobilized Recombinant SARS-CoV-2 Spike Protein (RP01262LQ) at 1 $\mu$ g/mL (100 $\mu$ L/well) can bind SARS-CoV-2 Spike Rabbit pAb (CAB20136) with a linear range of 0.78-50ng/mL.