

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-SARS-CoV-2 S protein (944-1214 aa)



Numéro de catalogue: 28867-1-AP

5 Publications

## Informations de base

Numéro de catalogue:

28867-1-AP

Taille:

150ul, Concentration: 550 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG30685

Numéro d'acquisition GenBank:

NC\_045512

Identification du gène (NCBI):

43740568

Nom complet:

SARS-CoV-2 Spike Protein

MW calculé

141 kDa

Méthode de purification:

Purification par affinité contre l'antigène

## Applications

Applications testées:

ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Virus

Espèces citées:

Humain, souris

## Informations générales

Coronaviruses (CoVs) infect human and animals and cause varieties of diseases, including respiratory, enteric, renal, and neurological diseases. CoV uses its spike protein to recognize ACE2 as its receptors and mediate membrane fusion and virus entry into host cells (PMID: 32221306). Each monomer of trimeric S protein is about 180 kDa, and contains two subunits, S1 and S2, S1 recognizes and binds to host receptors, and subsequent conformational changes in S2 facilitate fusion between the viral envelope and the host cell membrane (PMID: 19198616). Although the amino acid sequences of the S-glycoprotein were found to be different between the various HCoV, the structures showed high similarity, but the best 3D structural overlap shared by SARS-CoV and SARS-CoV-2, consistent with the shared ACE2 predicted receptor (PMID: 32522207). The spike protein of CoVs can be a target for vaccine and therapeutic development (PMID: 19198616). This antibody detects the spike protein of SARS and SARS-COV-2.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Naoko Iwata-Yoshikawa	36243815	Nat Commun	IHC, WB
Matteo Stravalaci	35102342	Nat Immunol	IF
Takashi Okura	36014999	Pathogens	IF

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20°C

\*\*\* Les 20ul contiennent 0,1% de BSA.

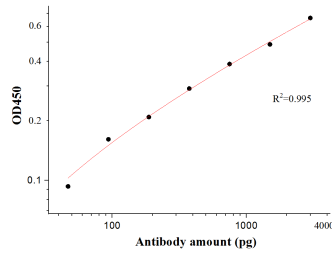
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com  
W: ptglab.com

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## Données de validation sélectionnées



SARS-CoV-2 Spike Antibody (28867-1-AP) tested by ELISA. SARS-CoV-2 Spike protein was coated onto microtiter plates at 0.15 µg/well and then incubated with a dilution series of SARS-CoV-2 Spike Antibody (28867-1-AP). Bound antibodies were detected with HRP conjugated anti-Rabbit IgG followed by incubation with HRP Substrate and then measuring the resulting absorbance at 450 nm.