

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-SARS-CoV-2 S protein (428-506 aa)



Numéro de catalogue: 28901-1-AP

Informations de base

Numéro de catalogue: 28901-1-AP	Numéro d'acquisition GenBank: NC_045512	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul , Concentration: 630 µg/ml by Nanodrop;	Identification du gène (NCBI): 43740568	Dilutions recommandées: WB 1:1000-1:4000
Hôte: Lapin	Nom complet: SARS-CoV-2 Spike Protein	
Isotype: IgG	MW calculé: 141 kDa	
Immunogen Catalog Number: AG30684		

Applications

Applications testées: WB, ELISA	Contrôles positifs: WB : Protéine recombinante,
Spécificité de l'espèce: Virus	

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). 28901-1-AP is specific for spike protein of SARS-COV-2, that antigen region is 428-506aa.

Stockage

Stockage:
Stocker à -20 °C
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 -20C

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

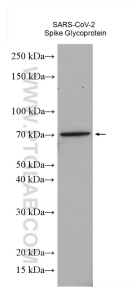
For technical support and original validation data for this product please contact:

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

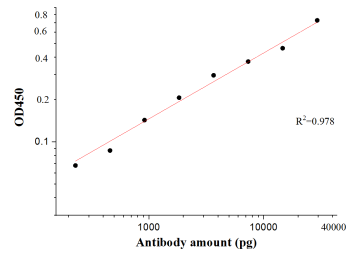
E: proteintech@ptglab.com
W: ptglab.com

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Données de validation sélectionnées



Spike Glycoprotein with the domain 1-658aa expressed in HEK-293 cells were subjected to SDS PAGE followed by western blot with 28901-1-AP (SARS-CoV-2 Spike Glycoprotein (428-506 aa) Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



SARS-CoV-2 Spike Glycoprotein (428-506aa) Antibody (28901-1-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 Glycoprotein (428-506aa) Antibody (28901-1-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.