

Nur für Forschungszwecke

SARS-CoV-2 S protein (428-506 aa) Polyklonaler Antikörper



Katalog-Nr.: 28901-1-AP

Allgemeine Informationen

Katalog-Nr.: 28901-1-AP	GenBank-Zugangsnummer: NC_045512	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 630 µg/ml von Nanodrop;	GeneID (NCBI): 43740568	Empfohlene Verdünnungen: WB 1:1000-1:4000
Wirt: Kaninchen	Vollständiger Name: SARS-CoV-2 Spike Protein	
Isotyp: IgG	Berechnete Masse: 141 kDa	
Immunogen Katalognummer: AG30684		

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB : Recombinant protein,
Getestete Reaktivität: Virus	

Hintergrundinformationen

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.

Lagerung

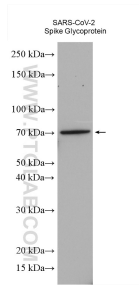
Lagerungsbedingungen:
Bei -20°C lagern.
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

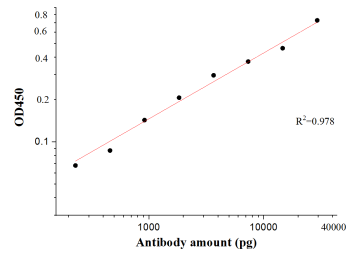
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Ausgewählte Validierungsdaten



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.