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SARS-CoV Spike Rabbit pAb

Catalog No.: A20605

Basic Information

Observed MW
200kDa

Calculated MW
139kDa

Category
Primary antibody

Applications
ELISA,WB

Cross-Reactivity
SARS-CoV

Background

The spike protein is a large type I transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. S2 contains basic elements needed for the membrane fusion.The S protein plays key parts in the induction of neutralizing-antibody and T-cell responses, as well as protective immunity. The main functions for the Spike protein are summarized as: Mediate receptor binding and membrane fusion; Defines the range of the hosts and specificity of the virus; Main component to bind with the neutralizing antibody; Key target for vaccine design; Can be transmitted between different hosts through gene recombination or mutation of the receptor binding domain (RBD), leading to a higher mortality rate.

Recommended Dilutions

WB	1:500 - 1:1000

Immunogen Information

Gene ID
1489668

Swiss Prot
P59594

Immunogen
A synthetic peptide corresponding to a sequence within amino acids 600-700 of coronavirus Spike (NP_828851.1).

Synonyms
E2; SARS-CoV Spike

Contact

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Product Information

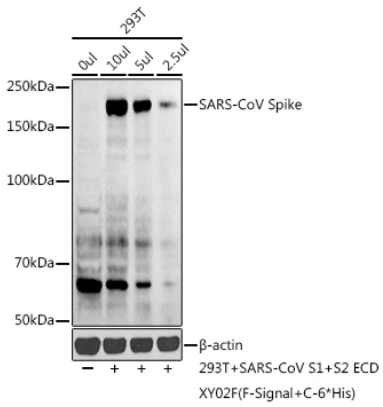
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using SARS-CoV Spike Rabbit pAb (A20605) 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: 180s.