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SARS-CoV-2 Spike RBD Rabbit pAb

货号: **AYP12848**

产品信息

反应	SARS-CoV-2
宿主	Rabbit
克隆性	Polyclonal
预测反应	WB: SARS-CoV-2 ELISA: SARS-CoV-2 FC: Homo sapiens
应用	ELISA WB IF/ICC IP
推荐浓度	ELISA: 1:50000-1:200000 WB: 1:500 - 1:2000 IF/ICC: 1:50 - 1:200 IP: 1:1000 - 1:5000
理论分子量	
实测分子量	30kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal, 50% glycerol, pH7.3.
偶联物	Unconjugated
阳性对照	293T
细胞定位	Virion membrane
纯化	Affinity purification

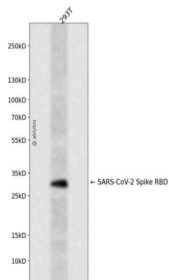
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 332-550 of coronavirus Spike RBD (QHD43416.1).
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靶点信息

研究背景	The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell. The spike is essential for both host specificity and viral infectivity. The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process. It's been reported that SARS-CoV-2 (COVID-19 coronavirus, 2019-nCoV) can infect the human respiratory epithelial cells through interaction with the human ACE2 receptor. S1 mainly contains a receptor binding domain (RBD), which is responsible for recognizing the cell surface receptor. 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.
基因ID	43740568
基因名	S
Swiss	P0DTC2 (https://www.uniprot.org/uniprotkb/P0DTC2/entry)
别名	SARS-CoV-2 Spike RBD Rabbit pAb,S,E2,Peplomer protein,Spike RBD

产品验证



Western blot analysis of SARS-CoV-2 Spike RBD expressed in 293T using SARS-CoV-2 Spike RBD Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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