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SARS-CoV-2 NSP4 Rabbit pAb

货号: **AYP22432**

产品信息

反应	SARS-CoV-2
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB
推荐浓度	WB: 1:500 - 1:1000
理论分子量	
实测分子量	28KDa
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	[Host translation inhibitor nsp1]: Host cytoplasm, [Non-structural protein 2]: Host cytoplasm, [Papain-like protease nsp3]: Host endoplasmic, [Non-structural protein 4]: Host endoplasmic, [3C-like proteinase nsp 5]: Host cytoplasm, [Non-structural protein 6]: Host endoplasmic, [Non-structural protein 7]: Host cytoplasm, host, [Non-structural protein 8]: Host cytoplasm, [Viral protein genome-linked nsp9]: Host, [Non-structural protein 10]: Host cytoplasm, [Guanine-N7 methyltransferase nsp14]: Host, [Helicase nsp13]: Host endoplasmic reticulum-, [Uridylate-specific endoribonuclease nsp15]: Host, [2'-O-methyltransferase nsp16]: Host nucleus
纯化	Affinity purification

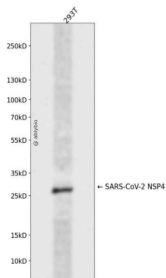
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 399-499 of coronavirus NSP4 (YP_009725300.1).
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靶点信息

研究背景	[Spike protein S1]: attaches the virion to the cell membrane by interacting with host receptor, initiating the infection. Binding to human ACE2 receptor and internalization of the virus into the endosomes of the host cell induces conformational changes in the Spike glycoprotein. Binding to host NRP1 and NRP2 via C-terminal polybasic sequence enhances virion entry into host cell. This interaction may explain virus tropism of human olfactory epithelium cells, which express high level of NRP1 and NRP2 but low level of ACE2. The stalk domain of S contains three hinges, giving the head unexpected orientational freedom. Uses human TMPRSS2 for priming in human lung cells which is an essential step for viral entry. Can be alternatively processed by host furin. Proteolysis by cathepsin CTSL may unmask the fusion peptide of S2 and activate membranes fusion within endosomes.
基因ID	43740578
基因名	rep
Swiss	P0DTD1 (https://www.uniprot.org/uniprotkb/P0DTD1/entry)
别名	SARS-CoV-2 NSP4 Rabbit pAb,rep,ORF1ab polyprotein,Leader protein,Non-structural protein 1,p65 homolog,Non-structural protein 3,PL2-PRO,Papain-like proteinase,Main protease,Non-structural protein 5,SARS coronavirus main proteinase,Non-structural protein 9

产品验证



Western blot analysis of SARS-CoV-2 NSP4 expressed in 293T using SARS-CoV-2 NSP4 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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