ARG43727
anti-SARS-CoV-2 ORF3b antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizesSARS-CoV-2 ORF3b
Tested Reactivity	Virus
Tested Application	ELISA, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SARS-CoV-2 ORF3b
Species	Virus
Immunogen	Synthetic peptide corresponding to 13 amino acids near the amino-terminus of SARS-CoV-2 (COVID-19) ORF3b protein. The immunogen is located within the first 50 amino acids of the SARS-CoV-2 (COVID-19) ORF3b protein.
Conjugation	Un-conjugated
Alternate Names	ORF3b protein, Acessary protein 3b, ns3b, Non-structural protein 3b, ORF3b

Application Instructions

Application table

Application	Dilution
ELISA	detect 2 ng of free peptide at 1 µg/mL
WB	0.25 µg/mL

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

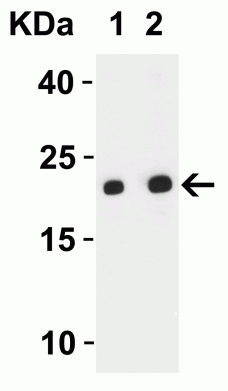
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS and 0.02% Sodium azide.
Preservative	0.02% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

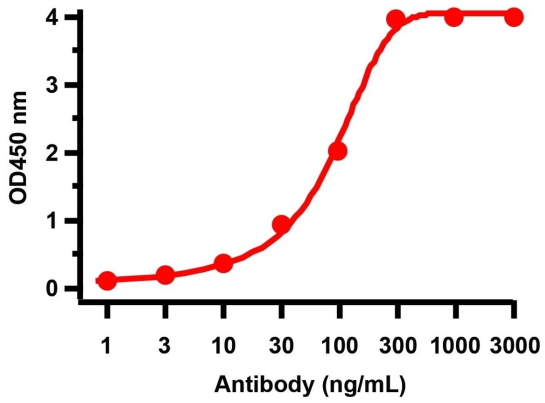
Gene Symbol	ORF3b
Gene Full Name	SARS-CoV-2 ORF3b
Background	Coronavirus disease 2019 (COVID-19), formerly known as 2019-nCoV acute respiratory disease, is an infectious disease caused by SARS-CoV-2, a virus closely related to the SARS virus. The disease is the cause of the 2019–20 coronavirus outbreak. SARS-CoV-2 virus proteins include structural proteins, non-structural proteins and accessory factors. The structure of SARS-CoV-2 consists of the following: a spike protein (S), hemagglutinin-esterease dimer (HE), a membrane glycoprotein (M), an envelope protein (E) a nucleoclapid protein (N) and RNA. SARS-CoV-2 non-structural protein is ORF1ab that consists of 16 proteins (nsp1-nsp16), while accessory factors include ORF3a, ORF3b, ORF6, ORF7a, ORF7b, ORF3b, ORF9b, ORF9c and ORF10. ORF3b may play a role in interferon antiviral system evasion.
Highlight	Related products: SARS-CoV antibodies; SARS-CoV ELISA Kits; SARS-CoV recombinant proteins; Anti-Rabbit IgG secondary antibodies; Related news: HMGB1, a biomarker and therapeutic target in COVID-19

Images



ARG43727 anti-SARS-CoV-2 ORF3b antibody WB image

Western blot: 30 ng of SARS-CoV-2 ORF3b recombinant protein stained with ARG43727 anti-SARS-CoV-2 ORF3b antibody for 1 hour incubation at RT in 5% NFDM/TBST, at 0.25 µg/ml (left) or 0.5 µg/ml (right) dilution.



ARG43727 anti-SARS-CoV-2 ORF3b antibody ELISA image

Direct ELISA: SARS-CoV-2 ORF3b rprotein was coated on the plate and ARG43727 anti-SARS-CoV-2 ORF3b antibody was used as the capture antibody. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:20000 dilution. Detection range is from 1 ng/mL to 3000 ng/mL