

Anti-NP (SARS-CoV-2) Rabbit Polyclonal Antibody

CATALOG NUMBER: SCV2-NP-100, 100 µg

Introduction	The novel coronavirus (SARS-CoV-2), previously called 2019-nCoV, is a newly identified coronavirus causing the ongoing outbreak of atypical pneumonia in Wuhan China from late 2019. The genome of SARS-CoV-2 has 89% nucleotide identity with bat SARS-like-CoVZXC21 and 82% with that of human SARS-CoV. The phylogenetic trees of their orf1a/b, Spike, Envelope, Membrane and Nucleoprotein also clustered closely with those of the bat, civet and human SARS coronaviruses. However, the external subdomain of Spike's receptor binding domain (RBD) of SARS-CoV-2 shares only 40% amino acid identity with other SARS-related coronaviruses.
Applications	Western blot (1:500-1:2000) and ELISA, May be used for other applications
Description	Rabbit polyclonal anti-NP protein (SARS-CoV-2) antibody
Immunogen	Full length nucleocapsid protein (NP) of SARS-CoV-2 (Gene Accession#: MN908947)
Specificity	Reacts with NP protein of SARS-CoV-2. Cross-reaction to NP proteins from other coronavirus not tested.
Purification	Protein G immunoaffinity chromatography
Isotype	Rabbit IgG
Storage	Store at -20 °C; Stable for 6-months from the date of shipment when kept at 4 °C. Non-hazardous.
Concentration	2 µg/µl in PBS with 0.1% gelatin and 0.1% sodium azide

