

Product datasheet for **TA355144**

SARS-CoV-2 N Protein Rabbit Polyclonal Antibody

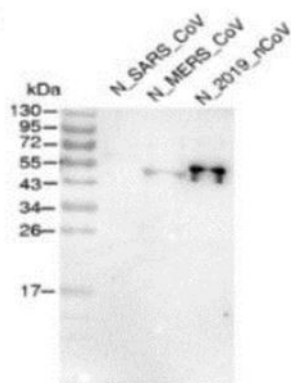
Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	WB 0.5-2 µg/ml, Indirect ELISA 1-2 µg/ml, IHC 2-10 µg/m
Reactivity:	SARS-CoV-2
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide targeting amino acids 1-100of SARS-CoV-2 nucleoprotein
Formulation:	0.01 M Tris-HCl, pH 8.0, 0.15 M NaCl, 0.02% sodium azide
Purification:	≥95% based on SDS-PAGE
Conjugation:	Unconjugated
Storage:	Store at -20°C. Product is stable for 6 weeks at 2 -8°Cas undiluted liquid. Prepare fresh dilutions for every new experiment. Avoid freeze / thaw cycles
Background:	Coronaviruses (CoV) are a large group of enveloped positive-sense RNA viruses. They belong to subfamily Coronavirinae, in the family of Coronaviridae, of the order of Nidovirales. The Coronavirus genome is about 30 kb in length and encodes four structural proteins, namely, spike (S), envelope (E), membrane (M) and nucleocapsid (N), multiple non-structural proteins and other accessory proteins. Coronaviruses infect humans as well as a number of mammalian and avian species. Of the six Coronaviruses that infect humans, SARS-CoV and MERS-CoV cause severe respiratory disease in humans. Current research is aimed at identifying anti-viral targets and develop drugs and vaccines to inhibit viral replication.

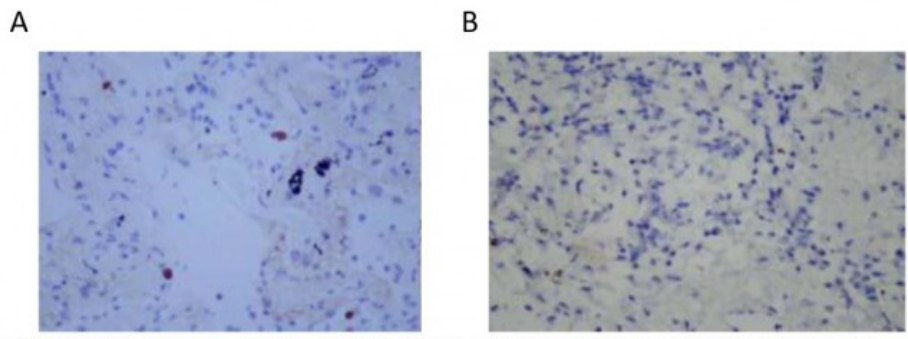


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Product images:



Western blot analysis of purified recombinant Nucleoproteins from SARS, MERS and SARS-CoV-2 using Anti-SARS-CoV-2 antibody. Primary antibody dilution used was 0.5-2 µg/ml.



Immunohistochemistry analysis of patient lung biopsy samples infected with SARS-CoV-2 (A) and diagnosed with non-specific lung infection (B) using Anti-SARS-CoV-2 antibody. Antibody concentration used was 2-10 µg/ml and HRP-conjugated Goat Anti-Rabbit IgG was used as secondary antibody. Magnification (x400). Cells in Fig (A) stained dark brown confirm SARS-CoV-2 infection.