



Rabbit Anti-SARS-CoV-2 NP Polyclonal antibody (CABT-CS024)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	SARS-CoV-2 (2019-nCoV) NP
Target	SARS-CoV-2 NP
Immunogen	SARS-CoV-2 (2019-nCoV) NP
Source/Host	Rabbit
Species Reactivity	SARS-CoV-2
Conjugate	unconjugated
Applications	ELISA
Format	Liquid
Size	1 mg
Buffer	Phosphate buffered saline
Preservative	None
Storage	Store at 2-8°C for short term storage. For long term storage aliquot and store at -20°C, avoid repeated freeze/thaw cycles.

BACKGROUND

Introduction Coronaviruses are enveloped viruses with a positive-sense RNA genome and with a nucleocapsid of helical symmetry. Coronavirus nucleoproteins localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected

with plasmids that express N protein. Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.

Keywords

SARS-CoV-2 NP; SARS-CoV-2 Nucleoprotein; SARS-CoV-2; SARS-CoV; 2019-nCoV; Coronavirus; Human Coronavirus; HCoV; SARS; SARS CoV; COVID-19
