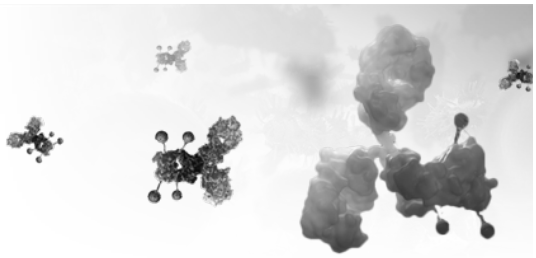

Rabbit Anti-HCoV-NL63 Nucleocapsid Polyclonal Antibody (CABT-CS749)

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

PRODUCT INFORMATION

Specificity	HCoV-NL63 Coronavirus Nucleocapsid
Target	HCoV-NL63 Nucleocapsid
Immunogen	Recombinant Human coronavirus (HCoV-NL63) Nucleoprotein / NP Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	HCoV-NL63
Purification	Protein A & Antigen Affinity
Conjugate	unconjugated
Applications	WB, ELISA
Format	Liquid
Size	50 µl, 100 µl
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

BACKGROUND

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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. The coronavirus N protein is required for coronavirus RNA synthesis and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is the most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to the 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 the N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.
Keywords	HCoV-NL63; HCoV NL63; NL63;NL63 Nucleocapsid; NL63 N Protein; NL63 NP

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