



Rabbit Anti-HCoV-OC43 Nucleocapsid Polyclonal antibody (CABT-CS882)

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

PRODUCT INFORMATION

Specificity	HCoV-OC43 Coronavirus Nucleocapsid
Target	HCoV-OC43 Nucleocapsid
Immunogen	Recombinant Human coronavirus (HCoV-OC43) Nucleoprotein / NP Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	HCoV-OC43
Purification	Protein A & Antigen Affinity
Conjugate	unconjugated
Applications	ELISA, WB
Format	Liquid
Size	50 µl, 100 µl, 200 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

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-OC43 Nucleocapsid; HCoV-OC43 NP; HCoV-OC43 Nucleoprotein; HCoV-OC43; OC43; OC43 NP; OC43 Nucleoprotein; OC43 Nucleocapsid