



Rabbit Anti-Human Coronavirus (HCoV-229E) Polyclonal Antibody (CABT-Z732R)

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

PRODUCT INFORMATION

Specificity	Recognize HCoV-229E Coronavirus Nucleocapsid
Immunogen	Recombinant Human coronavirus (HCoV-229E) Nucleoprotein / NP Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A & Antigen affinity purified
Conjugate	Unconjugated
Applications	WB, ELISA Recommended dilution: WB: 1:2000-1:10000 ELISA: 1:5000-1:10000
Format	Liquid
Concentration	Lot specific
Size	50 µl, 100 µl
Buffer	PBS
Preservative	None
Storage	Store 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.

Ship

Wet ice

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

Coronavirus;CoV;CoV NP 229E;Coronavirus 229E;CoV 229E
