



Rabbit Anti-SARS-CoV-2 NSP3 (IN) Polyclonal antibody (CABT-CS149)

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

PRODUCT INFORMATION

Specificity	SARS-CoV-2 NSP3
Target	SARS-CoV-2 NSP3
Immunogen	Synthetic peptide located within NSP3-IN of SARS-CoV-2 (COVID-19) pp1ab.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	SARS-CoV-2
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
Conjugate	unconjugated
Applications	ELISA, WB
Format	Liquid
Size	100 µg
Buffer	PBS with 10% glycerol, pH7.2
Preservative	0.02% sodium azide
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

BACKGROUND

Introduction

Papain-like proteases also known as PL-Pro, nonstructural protein 3 and nsp3 is an enzyme essential for the replication of coronavirus, CoV or COVID virus. CoV PLpro belongs to the CA peptidase clan (family C16). COVID virus contains the largest known RNA genome and is responsible for coronavirus disease (COVID-19) which is highly infectious. The replication of CoV virus is highly orchestrated process which involved replication machineries that protects virus genome and proteins from the defense mechanism of the host.

Keywords

SARS-CoV-2 NSP3; SARS-CoV-2; SARS-CoV-2 PL-Pro; SARS-CoV-2 PL2pro