



# Rabbit Anti-SARS-CoV-2 NSP1 Polyclonal antibody (CABT-CS148)

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

## PRODUCT INFORMATION

<b>Specificity</b>	SARS-CoV-2 NSP1
<b>Target</b>	SARS-CoV-2 NSP1
<b>Immunogen</b>	Synthetic peptide located within NSP1 of SARS-CoV-2 (COVID-19) pp1ab.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	SARS-CoV-2
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
<b>Conjugate</b>	unconjugated
<b>Applications</b>	ELISA, WB
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	PBS with 10% glycerol, pH7.2
<b>Preservative</b>	0.02% sodium azide
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

## BACKGROUND

**Introduction**

Non-structural protein 1 (NSP1) is a membrane-associated protein found in coronavirus. It is responsible for anchoring the viral replication complex to target cell membrane. Once the cell is infected, nsp1 protein interacts with 40S ribosomal subunit of the host which suppresses host gene expression. As a result, the viral particle is able to avoid host immune response which facilitates viral gene expression.

**Keywords**

SARS-CoV-2 NSP1; SARS-CoV-2