



# Rabbit Anti-SARS-CoV-2 ORF3a (NT) Polyclonal antibody (CABT-CS154)

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

## PRODUCT INFORMATION

<b>Specificity</b>	SARS-CoV-2 ORF3a
<b>Target</b>	SARS-CoV-2 ORF3a
<b>Immunogen</b>	Synthetic peptide located within the N terminus of SARS-CoV-2 (COVID-19) ORF3a.
<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**

The orf3a (also called X1 or U274) gene is the largest unique open reading frame in the severe acute respiratory syndrome coronavirus genome and has been proposed to encode a protein with three transmembrane domains and a large cytoplasmic domain. Recent work has suggested that the 3a protein may play a structural role in the viral life cycle, although the mechanisms for this remain uncharacterized.

**Keywords**

SARS-CoV-2 ORF3a; SARS-CoV-2; SARS-CoV-2 ORF3a protein