



Rabbit Anti-SARS-CoV-2 ORF7a (CT) Polyclonal antibody (CABT-CS153)

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

PRODUCT INFORMATION

Specificity	SARS-CoV-2 ORF7a
Target	SARS-CoV-2 ORF7a
Immunogen	Synthetic peptide located within the C terminus of SARS-CoV-2 (COVID-19) ORF7a.
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 ORF7a is a SARS-CoV genome-encoded accessory protein that is composed of a type I transmembrane protein that localizes primarily to the Golgi apparatus but can be found on the cell surface. SARS-CoV ORF7a overlaps ORF7b in the viral genome, where they share a transcriptional regulatory sequence (TRS). ORF7a has a 15-amino-acid (aa) N-terminal signal peptide, an 81-aa luminal domain, a 21-aa transmembrane domain, and a 5-aa cytoplasmic tail.

Keywords SARS-CoV-2 ORF7a; SARS-CoV-2; SARS-CoV-2 ORF7a protein
