



# Rabbit Anti-SARS-CoV 3CL Protease Polyclonal antibody (CABT-CS083)

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

## PRODUCT INFORMATION

<b>Specificity</b>	This protein A purified antibody is directed against SARS Coronavirus 3CL Protease. A BLAST analysis was used to suggest reactivity with related Coronavirus proteins.
<b>Target</b>	SARS-CoV 3CL Protease
<b>Immunogen</b>	Full length recombinant protein corresponding to 3CL Protease for the Human SARS coronavirus (Genbank accession no. NP_828849.2)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	SARS-CoV-2 3CL; SARS; SARS-CoV 3CL Protease; SARS-CoV 3CL; 3CL PRO; 3CLp
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	unconjugated
<b>Applications</b>	WB, ELISA, ICC/IF
<b>Reconstitution</b>	Reconstitute with 100 ul deionized water.
<b>Format</b>	Lyophilized
<b>Size</b>	500 µg
<b>Buffer</b>	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative</b>	0.01% Sodium Azide
<b>Storage</b>	Store lyophilized antibody at 4°C. Aliquot reconstituted liquid and store at -20°C. Avoid freeze-

## BACKGROUND

### Introduction

Generally, viruses have proteases to process their proteins into active form. Because of its pivotal role in the viral life cycle, proteases are primary targets for the development of antiviral agents. 3CL protease, a viral cysteine proteinase, plays an important role in co-translational proteolytic processing of Coronavirus polyproteins. The 3CL protease cleaves as much as 11 sites in the replicase polyproteins and also releases the key replicative functions of polymerase and helicase. 3CL protease is the only Coronavirus protein for which structural information is available. 3CL protease comprises three domains, the substrate-binding site is expected to be located between domains I and II, and domain III is a globular cluster comprising five helices. 3CL protease is a homodimer. Anti-SARS-CoV 3CL Protease Antibody is useful for researchers interested in viral research.

### Keywords

SARS-CoV-2 3CL; SARS; SARS-CoV 3CL Protease; SARS-CoV 3CL; 3CL PRO; 3CLp

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