

Datasheet for ABIN7540513

**anti-SARS-Coronavirus Nonstructural Protein 8 (SARS-CoV  
NSP8) antibody**[Go to Product page](#)

## Overview

Quantity:	500 µg
Target:	SARS-Coronavirus Nonstructural Protein 8 (SARS-CoV NSP8)
Reactivity:	SARS Coronavirus (SARS-CoV)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Fluorescence Microscopy (FM), ELISA

## Product Details

Purpose:	SARS 3CL Protease Antibody
Immunogen:	This protein A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a purified recombinant protein corresponding to full length SARS Coronavirus 3CL Protease. Lifesensors Inc. ( <a href="http://www.lifesensors.com">www.lifesensors.com</a> ) prepared the 3CL Protease as follows: SUMO-3CL protease fusion was expressed in E. coli in LB medium and purified by Ni-NTA resin affinity chromatography (Qiagen). After the fusion was cleaved by the SUMO Protease (LifeSensors), the SUMO tag and protease were subtracted from the 3CL protease using MAC and the 3CL protease was finally purified using Anion Exchange Chromatography with the Macro-Prep High Q resin (BioRad) and size exclusion chromatography.
Isotype:	IgG
Cross-Reactivity (Details):	This protein A purified antibody is directed against SARS Coronavirus 3CL Protease.
Purification:	The product was purified from monospecific antiserum by protein A affinity purification.

## Target Details

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Target:	SARS-Coronavirus Nonstructural Protein 8 (SARS-CoV NSP8)
Alternative Name:	3CL-PRO ( <a href="#">SARS-CoV NSP8 Products</a> )
Target Type:	Viral Protein
Background:	<p>Rabbit anti-Sars CoV 3CL Protease Antibody, 3CL PRO antibody, 3CLp antibody, nsp5 antibody, 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.</p>
Gene ID:	1489680, 29837498
UniProt:	<a href="#">P0C6U8</a>

## Application Details

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Application Notes:	<p>ELISA_Dilution: 1:10,000 - 1:50,000</p> <p>IF_Microscopy_Dilution: User Optimized</p> <p>Western_Blot_Dilution: 1:2,000 - 1:10,000</p>
Comment:	<p>This protein A purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 34 kDa in size corresponding to SARS 3CL Protease by western blotting in the appropriate cell lysate or extract.</p>
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	<p>Reconstitution_Buffer: Restore with deionized water (or equivalent)</p> <p>Reconstitution_Volume: 100 µL</p>
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

## Handling

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Stabilizer: None

Preservative: 0.01 % (w/v) Sodium Azide

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C, -20 °C

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Storage Comment: Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

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Expiry Date: 12 months