



# Rabbit Anti-SARS-CoV-2 Spike Polyclonal antibody (CABT-CS066)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Has cross-reactivity in ELISA and WB with SARS-CoV Spike S1/RBD, SARS-CoV-2 Spike S1/RBD.
<b>Target</b>	SARS-CoV-2 Spike S1
<b>Immunogen</b>	Recombinant SARS-CoV-2 Spike Protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	SARS-CoV-2, SARS
<b>Purification</b>	Protein A & Antigen Affinity
<b>Conjugate</b>	unconjugated
<b>Applications</b>	WB: 1:1000-5000, ELISA: 1:5000-10000
<b>Format</b>	Liquid
<b>Size</b>	50 µl
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

# BACKGROUND

## Introduction

The spike (S) glycoprotein of coronaviruses contains protrusions that will only bind to certain receptors on the host cell. Known receptors bind S1 are ACE2, angiotensin-converting enzyme 2; DPP4, dipeptidyl peptidase-4; APN, aminopeptidase N; CEACAM, carcinoembryonic antigen-related cell adhesion molecule 1; Sia, sialic acid; O-ac Sia, O-acetylated sialic acid. The spike is essential for both host specificity and viral infectivity. The term 'peplomer' is typically used to refer to a grouping of heterologous proteins on the virus surface that function together. The spike (S) glycoprotein of coronaviruses is known to be essential in the binding of the virus to the host cell at the advent of the infection process.

## Keywords

SARS-CoV-2; coronavirus; SARS-CoV-2 spike 1; SARS-CoV-2 spike protein; SARS-CoV-2 S1; SARS-CoV-2 RBD; SARS-CoV-2 spike RBD