

# SARS-CoV-2 (COVID-19) NSP7 Antibody

Catalog # ASC12079

## Product Information

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|-----------------|--------------------------------|
| Application     | WB, E                          |
| Other Accession | <a href="#">YP_009742614.1</a> |
| Host            | Rabbit                         |
| Clonality       | Polyclonal                     |
| Isotype         | IgG                            |
| Clone Names     | Non-structural protein 7       |

## Additional Information

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|--------------|--------------------------|
| Gene ID      | 43740578                 |
| Alias Symbol | Non-structural protein 7 |
| Other Names  | NSP7                     |

**Reconstitution & Storage** SARS-CoV-2 (COVID-19) NSP7 antibody can be stored at 4 °C for three months and -20 °C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

**Precautions** SARS-CoV-2 (COVID-19) NSP7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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Coronavirus disease 2019 (COVID-19), formerly known as 2019-nCoV acute respiratory disease, is an infectious disease caused by SARS-CoV-2, a virus closely related to the SARS virus (1). The disease is the cause of the 2019–20 coronavirus outbreak (2). The structure of 2019-nCoV consists of the following: a spike protein (S), hemagglutinin-esterase dimer (HE), a membrane glycoprotein (M), an envelope protein (E) a nucleocapsid protein (N) and RNA. NSP7 plays a role in viral RNA synthesis (3,4,5). It forms a hexadecamer with nsp8 (8 subunits of each) that may participate in viral replication by acting as a primase. Alternatively, it may synthesize substantially longer products than oligonucleotide primers.

## References

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Gorbalenya. bioRxiv: 2020.Hui et al. Int J Infect Dis. 2020;91:264-266.Gao et. al Science 2020;0:0-0Yin et. al Science 2020;0:0-0Hillen et. al. Nature 2020;0:0-0

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.