

## SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL448]

**Cat No. GTX635686**

<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG
<b>Application</b>	WB, ICC/IF, IHC-P, ELISA, Lateral Flow, Sandwich ELISA, IHC-P (cell pellet)
<b>Reactivity</b>	SARS Coronavirus, SARS Coronavirus 2

Reference ( 1 )  
 Package  
 100 µl, 25 µl

## APPLICATION

**Application Note**

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Dilution
WB	1:1000-1:10000
ICC/IF	1:100-1:1000
IHC-P	1:5000-1:10000
ELISA	Assay dependent
Lateral Flow	Assay dependent
Sandwich ELISA	Assay dependent
IHC-P (cell pellet)	Assay dependent

**Note : Recommended heat-Induced Epitope Retrieval pH 6.0 for 20 minutes and background Eraser (BGE) blocking step.**

**This antibody has been validated by lateral flow assay based on the customer's feedback.**

**Capture : GTX635686 , Detection: GTX635678 / GTX635688. or Capture : GTX635685 / GTX635689 / GTX635679 , Detection: GTX635686-01.**

**Please notice that GTX635688 / GTX635678 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635686. Please contact us for custom HRP-conjugated antibody.**

Not tested in other applications.

**Product Note**

This antibody detects both SARS-CoV nucleocapsid and SARS-CoV-2 nucleocapsid proteins. Our internal testing indicates no cross-reactivity with MERS-CoV nucleocapsid protein. Gold conjugation version is available upon request.

## PROPERTIES

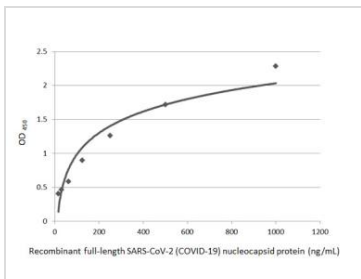
<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No Preservative
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)



For full product information, images and publications, please visit our [website](#).

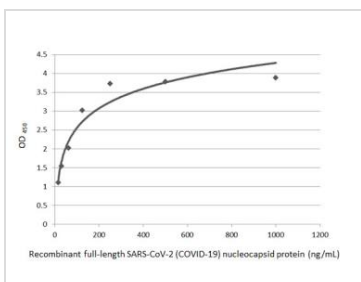
<b>Immunogen</b>	Full length SARS-CoV-2 (COVID-19) nucleocapsid Recombinant protein. (SARS-CoV-2 (strain Wuhan-Hu-1))
<b>Purification</b>	Affinity purified by Protein A.
<b>Conjugation</b>	Unconjugated
<b>Note</b>	For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**DATA IMAGES**



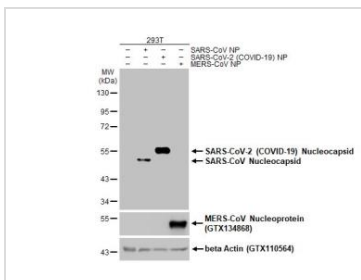
**GTX635686 ELISA Image**

Sandwich ELISA detection of recombinant full-length SARS-CoV-2 (COVID-19) nucleocapsid protein, His tag protein (GTX135592-pro) using SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL448] (GTX635686) as capture antibody at concentration of 5 µg/mL and HRP-conjugated SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL249] (GTX635678) as detection antibody at concentration of 1 µg/mL. Please notice that GTX635678 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635686. Please contact us for custom HRP-conjugated antibody.



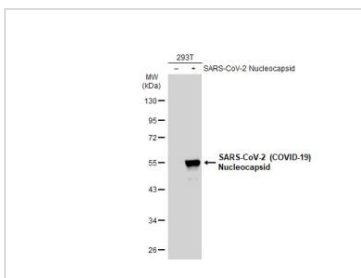
**GTX635686 ELISA Image**

Sandwich ELISA detection of recombinant full-length SARS-CoV-2 (COVID-19) nucleocapsid protein, His tag protein (GTX135592-pro) using SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL448] (GTX635686) as capture antibody at concentration of 5 µg/mL and HRP-conjugated SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL455] (GTX635688) as detection antibody at concentration of 1 µg/mL. Please notice that GTX635688 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635686. Please contact us for custom HRP-conjugated antibody.



**GTX635686 WB Image**

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL448] (GTX635686) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



**GTX635686 WB Image**

Non-transfected (-) and transfected (+) 293T whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL448] (GTX635686) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



For full product information, images and publications, please visit our [website](#).