SARS-CoV-2 (COVID-19) Nucleocapsid antibody [HL453]

Cat. No. GTX635687

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

Package
100 µl, 25 µl

APPLICATION

Application Note

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

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	1:100-1:1000
ELISA	Assay dependent
IHC-P (cell pellet)	Assay dependent

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.

PROPERTIES

Form	Liquid
Buffer	PBS
Preservative	No preservative
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Full length SARS-CoV-2 (COVID-19) nucleocapsid Recombinant protein. (SARS-CoV-2 (strain Wuhan-Hu-1))
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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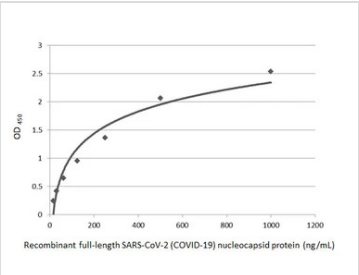
Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

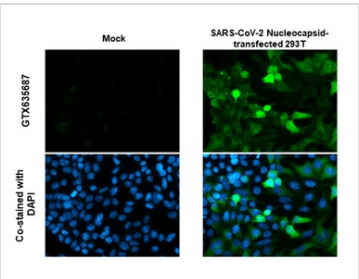
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



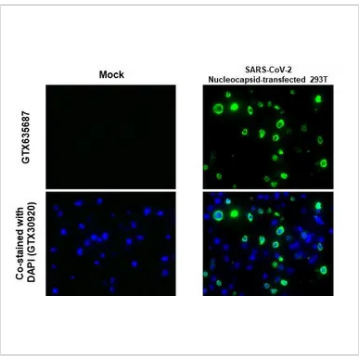
GTX635687 ELISA Image

Indirect ELISA analysis performed by coating plate with recombinant full-length SARS-CoV-2 (COVID-19) nucleocapsid protein (GTX135592-pro) (15.63-1000 ng/mL). Coated protein probed with SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL453] (GTX635687) (1 µg/mL). Rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) detected bound primary antibody.



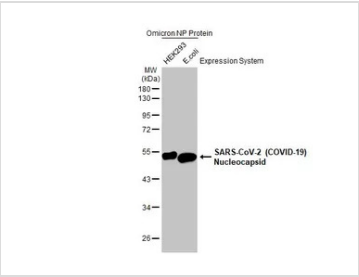
GTX635687 ICC/IF Image

SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL453] detects SARS-CoV-2 (COVID-19) nucleocapsid protein by immunofluorescent analysis.
Sample: Mock and transfected 293T cells were fixed in 4% paraformaldehyde at RT for 15 min.
Green: SARS-CoV-2 (COVID-19) nucleocapsid stained by SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL453] (GTX635687) diluted at 1:1000.
Blue: Fluoroshield with DAPI (GTX30920).



GTX635687 IHC-P (cell pellet) Image

SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL453] detects SARS-CoV-2 (COVID-19) nucleocapsid protein by immunohistochemical analysis.
Sample: Mock (GTX435670) and SARS-CoV-2 (COVID-19) Nucleocapsid transfected 293T cell FFPE Cell Pellet Block (GTX435641).
Green: SARS-CoV-2 (COVID-19) nucleocapsid stained by SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL453] (GTX635687) diluted at 1:1000.
Blue: Fluoroshield with DAPI (GTX30920).
Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



GTX635687 WB Image

SARS-CoV-2 (COVID-19) nucleocapsid protein, B.1.1.529 / Omicron variant, His tag (0.5 µg), expressed by HEK293 cells (GTX136779-pro) or E. coli (GTX03400-pro), were separated by 10% SDS-PAGE, and the membrane was blotted with SARS-CoV-2 (COVID-19) nucleocapsid antibody [HL453] (GTX635687) diluted at 1:20000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

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