

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

Cat. No. GTx635687

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

References (2)

Package

100 µl, 25 µl

Applications

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 preservatives
Storage	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.
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](#).

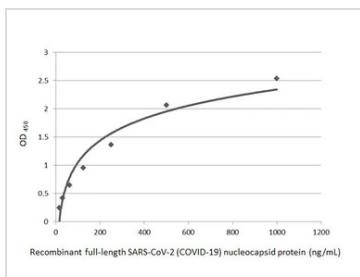
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Note

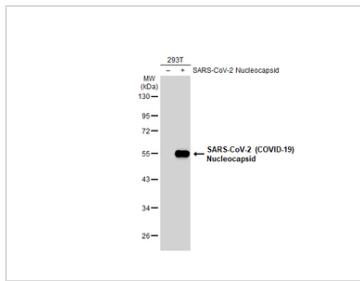
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DATA IMAGES



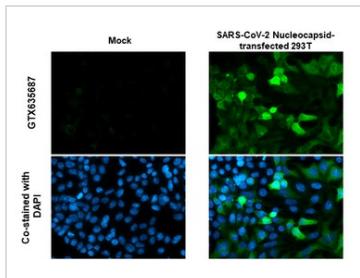
GTX635687 ELISA Image

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 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 [HL453] (GTX635687) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



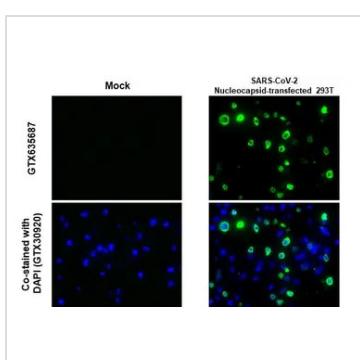
GTX635687 ICC/IF Image

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



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