

11-2007: SARS-CoV2 N-Term Nucleocapsid Antibody

Clonality :	Polyclonal
Application :	ELISA,WB
Format :	Purified
Isotype :	Rabbit IgG
Immunogen Information :	N-terminal of SARS-CoV-2/COVID-19 Nucleocapsid protein was used as the immunogen for this antibody.

Description

The structural nucleocapsid (N) protein of nCoV/SARS-CoV-2/COVID-19 is a predicted 46 kDa phosphoprotein having 419 amino acid residues. A short Serine rich stretch and a recognized nuclear localization signal are the unique features of the nucleocapsid protein of nCoV/SARS-CoV-2/COVID-19, which seems to have a little homology with the proteins of other members of this large corona virus family. These features also suggest the involvement of nucleocapsid protein of nCoV/SARS-CoV-2/COVID-19 in different stages of viral lifecycle. The protein has multifaceted activities including packing of the nCoV/SARS-CoV-2/COVID-19 viral genome into a helical ribonucleocapsid (RNP) and playing an important role in viral self-assembly causing nCoV/SARS-CoV-2/COVID-19. The nucleocapsid protein of nCoV/SARS-CoV-2/COVID-19 also forms dimer in the cell by self-association with the help of interactive C terminal domain.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Recommended dilutions: WB: 0.1-0.5 µg/ml. However, this need to be optimized based on the research applications.

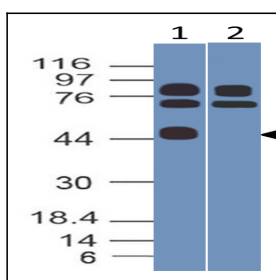


Figure-1: Western Blot analysis of SARS-CoV-2 Nucleocapsid Protein: Anti-SARS-CoV-2 Nucleocapsid Protein (11-2007) was used at 2 µg/ml on (1) SARS-CoV-2 virus infected Vero Cell lysate and (2) Mock infected lysate.

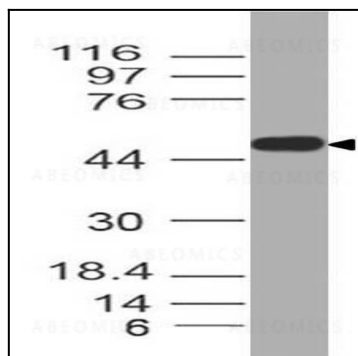


Figure-2: Western Blot analysis of SARS-CoV2 N-Term Nucleocapsid antibody: Anti-SARS-CoV2 N-Term Nucleocapsid antibody (SARS-CoV-2) was used at 0.5 $\mu\text{g/ml}$ on recombinant Nucleocapsid Protein (21-1003).