

Anti-SARS-CoV Nucleoprotein / NP Monoclonal Antibody

E-AB-V1341

Application	WB,ELISA	Host	Rabbit
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Clone No.	001

Important Note Centrifuge before opening to ensure complete recovery of vial contents.

Product Details

Immunogen	Recombinant SARS-CoV Nucleoprotein/NP Protein (His Tag)
Isotype	IgG
Host	Rabbit
Clone No.	001
Reactivity	SARS
Dilution	WB 1:1000-1:5000 ELISA 1:5000-1:10000
Storage Buffer	0.2 µm filtered solution in PBS
Stability & Storage	Ships on ice packs. Store at -20°C
Description	This product was a recombinant monoclonal antibody expressed from HEK293 cells.

Antigen Information

Alternate Names coronavirus NP,coronavirus Nucleocapsid,coronavirus Nucleoprotein,cov np,ncov NP,novel coronavirus NP,novel coronavirus Nucleocapsid,novel coronavirus Nucleoprotein,NP,Nucleocapsid,Nucleoprotein

Background Coronaviruses are enveloped viruses with a positive-sense RNA genome and with a nucleocapsid of helical symmetry. Coronavirus nucleoproteins localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.

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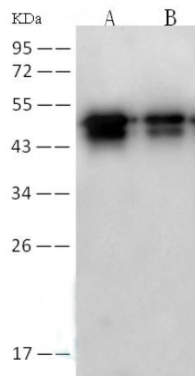
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Applications: Activ- Activation; Block- Blocking; Separation- Cell Separation ; Cell Sep-Neg- Cell Separation by Negative Selection; FA- Functional Assay; Neut- Neutralization; Stim- Stimulation; FCM- Flow Cytometry; ICFCM: Intracellular Staining for Flow Cytometry; WB- Western Blotting; IHC- Immunohistochemistry; IF- Immunofluorescence; IP- Immunoprecipitation

Images



Western Blot analysis of Recombinant SARS-CoV Nucleoprotein/NP Protein(PKSV030248 with 30ng and 5ng) using Anti-SARS-CoV Nucleoprotein / NP Monoclonal Antibody at dilution of 1:2000.

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