Anti-SARS-CoV Nucleoprotein / NP Monolonal Antibody

Catalog Number:E-AB-V1341

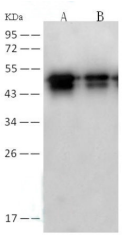
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	SARS
Immunogen	Recombinant SARS-CoV Nucleoprotein/NP Protein (His Tag)
Host	Rabbit
Isotype	IgG
Clone	001
Purification	Protein A Affinity
Conjugation	Unconjugated
Formulation	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:1000-1:5000
ELISA	1:5000-1:10000

Data



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.

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

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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