Middle East Respiratory Syndrome Coronavirus Nucleoprotein (MERS-CoV NP) Antibody

Catalogue No.:abx201381

Middle East Respiratory Syndrome Coronavirus Nucleoprotein (MERS-CoV NP) Antibody is a Rabbit Polyclonal antibody for the detection of Middle East Respiratory Syndrome Coronavirus Nucleoprotein (MERS-CoV NP).

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.

Target:	Middle East Respiratory Syndrome Coronavirus Nucleoprotein (MERS-CoV NP)
Clonality:	Polyclonal
Reactivity:	Virus
Tested Applications:	ELISA
Host:	Rabbit
Recommended dilutions:	ELISA: 1/1000 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant MERS-CoV Nucleoprotein / NP protein
Isotype:	IgG
Form:	Liquid
Purification:	Purified by Protein A affinity chromatography. 0.2 μm filtered.
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Buffer:	PBS.
Concentration:	1 mg/ml

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Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.
Directions for use:	Centrifuge before opening to ensure complete recovery of vial contents.

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