

## Anti-Pan Influenza A Nucleoprotein Antibody (2J424)

## Product Details

Ig Type:	Rabbit IgG
Conjugation:	Unconjugated
Clone:	2J424
Purification:	Protein A

## Applications

Verified Activity:	Anti-Pan Influenza A Nucleoprotein rabbit monoclonal antibody in 1 µg/mL. -Sample: Recombinant Protein 10 ng -Lane 1: Influenza A H5N1 (A/Texas/37/2024) Nucleoprotein / NP Protein. -Lane 2: Influenza A H1N1 (A/Brevig Mission/1/1918) Nucleoprotein / NP Protein. -Lane 3: Influenza B (B/Phuket/3073/2013) Nucleoprotein / NP Protein -Secondary -Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. -Developed using the ECL technique. -Performed under reducing conditions.
Application:	ELISA,ELISA(Cap),WB
Recommended	WB: 0.2-1 µg/mL; ELISA: 0.1-0.2 µg/mL; ELISA(Cap): 0.5-4 µg/mL

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Influenza A H1N1 (A/California/07/2009) Nucleoprotein / NP Protein (TMPY-02876)
Antigen Species:	H1N1

## Research Background

Influenza viral nucleoprotein (NP) plays a critical role in virus replication and host adaptation. Nucleoprotein (NP) is an essential multifunctional protein that encapsidates the viral genome and functions as an adapter between the virus and the host cell machinery. NPs contain two nuclear localization signals (NLSs): a well-studied monopartite NLS1 and a less-characterized NLS2, thought to be bipartite. The nucleocapsid is a complex of the viral nucleoprotein, RNA, and several other viral proteins. The nucleoprotein forms large, RNA-bound, helical filaments and acts as a scaffold for additional viral proteins.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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