



Anti-Avian Influenza Nucleoprotein antibody ab25921

[1 Image](#)

Overview

Product name	Anti-Avian Influenza Nucleoprotein antibody
Description	Rabbit polyclonal to Avian Influenza Nucleoprotein
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Influenza A
Immunogen	Synthetic peptide corresponding to Avian Influenza Nucleoprotein aa 58-77. Sequence: KLSDYEGRLIQNSITIERMV <div>  Run BLAST with  Run BLAST with </div>
Positive control	Recombinant fusion protein of avian flu nucleoprotein.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.4 Preservative: 0.05% Sodium azide Constituents: 0.05% BSA, PBS
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab25921 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		

Application notes

WB: Use at a concentration of 0.5-2.0 µg/ml.

Please note from the image legend that a recombinant fusion protein was used to generate the western blot image.

The molecular weight shown is the molecular weight of the fusion protein (e.g nucleoprotein amino acids 58-77 + fusion protein) not the Avian Influenza Nucleoprotein.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

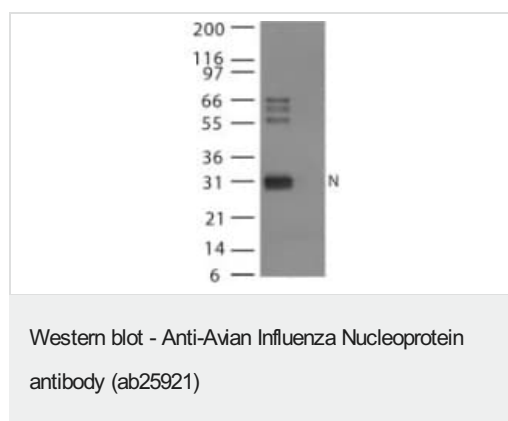
Relevance

Encapsidates the negative strand viral RNA, protecting it from nucleases. The encapsidated genomic RNA is termed the ribonucleoprotein (RNP) and serves as template for transcription and replication. The RNP needs to be localized in the nucleus to start an infectious cycle, but is too large to diffuse through the nuclear pore complex. NP comprises at least 2 nuclear localization signals and is responsible of the active RNP import into the nucleus through the cellular importin alpha/beta pathway. Later in the infection, nucleus export of RNP are mediated through viral proteins NEP interacting with M1 which binds nucleoproteins. It is possible that the nucleoprotein binds directly exportin-1 (XPO1) and plays an active role in RNP nuclear export. M1 interaction with RNP seems to hide nucleoprotein's nuclear localization signals. Soon after a virion infects a new cell, M1 dissociates from the RNP under acidification of the virion driven by M2 protein. Dissociation of M1 from RNP unmask nucleoprotein's nuclear localization signals, targeting the RNP to the nucleus

Cellular localization

Nuclear

Images



All lanes : Anti-Avian Influenza Nucleoprotein antibody (ab25921) at 0.5 µg/ml

Lane 1 : Recombinant fusion protein containing amino acids 58-77 of Avian flu nucleoprotein at 0.1 µg

Lane 2 : Fusion partner without these amino acids

Observed band size: 31 kDa

Additional bands at: 56 kDa, 59 kDa, 66 kDa. We are unsure as to the identity of these extra bands.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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