abcam

Product datasheet

Anti-Influenza A Virus Nucleoprotein antibody ab91648

1 References 1 Image

Overview

Product name	Anti-Influenza A Virus Nucleoprotein antibody
Description	Rabbit polyclonal to Influenza A Virus Nucleoprotein
Host species	Rabbit
Specificity	ab91648 is specific for the seasonal Influenza A Virus Nucleoprotein and will not recognize the corresponding Nucleoprotein sequence from the swine origin H1N1 influenza (A/California/14/2009 (H1N1)).
Tested applications	**Suitable for:** ELISA
Species reactivity	**Reacts with:** Influenza A
Immunogen	A synthetic peptide from the Seasonal Influenza A Virus Nucleoprotein (H1N1) (Genbank accession AFK14863).
General notes	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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Purification notes	Affinity chromatography purified via peptide column.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab91648 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
ELISA		

Application notes ELISA: Use at a concentration of 1 µg/ml.

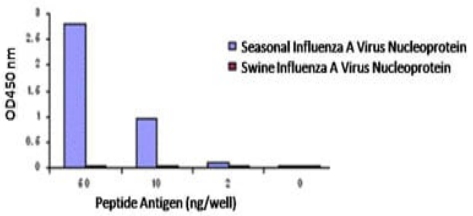
Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

Relevance The nucleoprotein (NP) of Influenza virus encapsulates the negative strand of the viral RNA and is essential for replicative transcription. It may also be involved in other essential functions throughout the virus life cycle. As well as binding ssRNA, NP is able to self associate to form large oligomeric complexes. NP is able to interact with a variety of other macromolecules of both viral and cellular origins. It binds the PB1 and PB2 subunits of the polymerase and the matrix protein M1. "NP has also been shown to interact with at least four cellular polypeptide families: nuclear import receptors of the importin class, filamentous (F) actin, the nuclear export receptor CRM1 and a DEAD box helicase BAT1/UAP56" (Portela et al 2002).

Cellular localization Host cell nucleus

Images



ELISA - Anti-Influenza A Virus Nucleoprotein antibody (ab91648)

ab91648, at a concentration of 1 µg/ml, detects seasonal Influenza A Virus Nucleoprotein by Elisa. It does not recognize the corresponding Nucleoprotein sequence from the swine origin H1N1 influenza (A/California/14/2009 (H1N1)). The blocking and corresponding peptides were used at 60, 10, 2 and 0 ng/ml.

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