Anti-Influenza A Virus Nucleoprotein antibody [9G8] ab43821

2 References

Overview

Product name: Anti-Influenza A Virus Nucleoprotein antibody [9G8]
Description: Mouse monoclonal [9G8] to Influenza A Virus Nucleoprotein
Host species: Mouse
Specificity: Recognizes Nucleoprotein of Influenza A virus group specific antigen (H0N1, H1N1, H2N2 and H3N2).
Tested applications: Suitable for: ELISA, WB, ICC/IF
Species reactivity: Reacts with: influenza A
Immunogen: Recombinant full length protein corresponding to Influenza A Virus Nucleoprotein.

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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer: Constituents: 0.75% Glycine, 1.21% Tris, 2% Sucrose
Purity: Protein A purified
Clonality: Monoclonal
Clone number: 9G8
Isotype: IgG2a
Light chain type: kappa

Applications

Our Abpromise guarantee covers the use of ab43821 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ELISA</td>
<td></td>
<td>1/2000 - 1/10000.</td>
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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

Target

<table>
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<tr>
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<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>WB</td>
<td>1/200 - 1/1000.</td>
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<tr>
<td>ICC/IF</td>
<td>1/100 - 1/500. On infected cells</td>
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