Overview

Product name: Anti-Influenza A Virus Nucleoprotein antibody [C43] (HRP)
Description: Mouse monoclonal [C43] to Influenza A Virus Nucleoprotein (HRP)
Host species: Mouse
Conjugation: HRP
Tested applications: Suitable for: IHC, ELISA, WB, ICC
Species reactivity: Reacts with: Influenza A
Immunogen: Tissue, cells or virus corresponding to Influenza A Virus Nucleoprotein.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at -20°C.
Storage buffer: Constituents: Glycerol, PBS
Purity: >90% by SDS-PAGE
Clonality: Monoclonal
Clone number: C43
Isotype: IgG2a

Applications

Our Abpromise guarantee covers the use of ab176837 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>IHC</td>
<td>1/200.</td>
<td></td>
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<tr>
<td>ELISA</td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>WB</td>
<td>1/300 - 1/1000. Predicted molecular weight: 56 kDa.</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).

Target

Relevance

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Cellular localization

Host cell nucleus

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