Anti-Vaccinia Virus antibody ab35219

Overview

Product name: Anti-Vaccinia Virus antibody
Description: Rabbit polyclonal to Vaccinia Virus
Host species: Rabbit
Specificity: This antibody reacts with purified Virions. It does not react with uninfected cells.
Tested applications: Suitable for: ELISA, WB, IHC-P, IHC-Fr, ICC/IF
Species reactivity: Reacts with: Vaccinia virus
Immunogen: Native virus, Lister strain.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer: Preservative: 0.1% Sodium Azide
Constituents: PBS, pH 7.2
Purification notes: This antibody is greater than 95% pure.
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab35219 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>WB</td>
<td>Use at an assay dependent concentration. Predicted molecular weight: 14 kDa. PubMed: 25093734</td>
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Vaccinia virus is an Orthopoxvirus, containing double stranded DNA. Fusion protein plays an important role in the entry of enveloped virus into cells. As vaccinia virus has a wide host range, it is conceivable that certain cellular components that are ubiquitously expressed on the cell mediate virus infection. The study of the entry process, attachment, fusion and the proteins and receptors involved is complex. During vaccinia virus infection, the fusion process is attributed to the action of the 14KDa protein (A27L). The N terminus of this protein recognises heparan sulfate on the cell surface. It interacts with the negative charges of sulfates of glycosaminoglycans (GAGs). Therefore, antibodies that recognize this 14KDa protein are able to neutralize vaccinia virus infection and enable identification other viral and cellular proteins which participate in the vaccinia virus entry process.

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<td>IHC-Fr</td>
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<td>Use at an assay dependent concentration.</td>
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<tr>
<td>ICC/IF</td>
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<td>Use at an assay dependent concentration. PubMed: 22615950</td>
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</tbody>
</table>

**Images**

All lanes:

- **Lane 1**: DT09/06 cells infected with GLV-5b451 Vaccina Virus (24 hours post infection)
- **Lane 2**: DT09/06 cells infected with GLV-5b451 Vaccina Virus (48 hours post infection)
- **Lane 3**: DT09/06 cells infected with GLV-5b451 Vaccina Virus (72 hours post infection)
- **Lane 4**: DT09/06 cells infected with GLV-5b451 Vaccina Virus (96 hours post infection)
- **Lane 5**: DT09/06 cells infected with LIVP 6.1.1 Vaccina Virus (24 hours post infection)
- **Lane 6**: DT09/06 cells infected with LIVP 6.1.1 Vaccina Virus (48 hours post infection)
- **Lane 7**: DT09/06 cells infected with LIVP 6.1.1 Vaccina Virus (72 hours post infection)
- **Lane 8**: DT09/06 cells infected with LIVP 6.1.1 Vaccina Virus (96 hours post infection)
- **Lane 9**: Mock infected DT09/06 cells (24 hours)
- **Lane 10**: Mock infected DT09/06 cells (48 hours)
- **Lane 11**: Mock infected DT09/06 cells (72 hours)
- **Lane 12**: Mock infected DT09/06 cells (96 hours)
Developed using the ECL technique.

**Predicted band size**: 14 kDa


Formalin/PFA-fixed paraffin-embedded mouse cornea stained for Vaccinia Virus with ab35219 at 1/40 dilution in immunohistochemical analysis.
Heat mediated antigen retrieval was performed in Tris buffer at pH 9.0.
WR strain of Vaccina Virus.

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

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