Product datasheet

Anti-Avian Influenza A Hemagglutinin antibody
ab21297

Overview

Product name: Anti-Avian Influenza A Hemagglutinin antibody
Description: Rabbit polyclonal to Avian Influenza A Hemagglutinin
Host species: Rabbit
Specificity: Rabbit anti-Hemagglutinin (NT) protein polyclonal antibody was raised against a synthetic peptide corresponding to 15 amino acids at the amino terminus of the Hemagglutinin protein (Genbank accession no. AAT78166). Efforts were made to use relatively conserved regions of the viral sequence as the antigen. The antibody only recognizes the cleaved subunit not the full-length H5.

Tested applications: Suitable for: WB, ELISA
Species reactivity: Reacts with: Other species
Immunogen: Synthetic peptide corresponding to 15 amino acids near the N terminus of the Hemagglutinin protein. (Peptide available as ab39772).

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C.
Storage buffer: Preservative: 0.02% Sodium azide
 Constituent: PBS
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab21297 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Relevance

Influenza A virus is a major public health threat, killing more than 30,000 people per year in the USA. Novel influenza virus strains caused by genetic drift and viral recombination emerge periodically to which humans have little or no immunity, resulting in devastating pandemics. Influenza A can exist in a variety of animals; however it is in birds that all subtypes can be found. These subtypes are classified based on the combination of the virus coat glycoproteins hemagglutinin (HA) and neuraminidase (NA) subtypes. HA interacts with cell surface proteins containing oligosaccharides with terminal sialyl residues. Virus isolated from a human infected with the H5N1 strain in 1997 could bind to oligosaccharides from human as well as avian sources, indicating its species-jumping ability.

Cellular localization

Cell Membrane

Target

H5N1 HA Antibody (ab21297 at 1 µg/ml) specifically recognizes Avian Influenza A (H5N1), but not seasonal influenza A (H1N1), recombinant Hemagglutinin protein in ELISA.

Images

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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td></td>
<td>Use at an assay dependent concentration. Predicted molecular weight: 64 kDa.</td>
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<tr>
<td>ELISA</td>
<td></td>
<td>Use a concentration of 1 µg/ml.</td>
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Western blot analysis of 5 ng (A) or 25 ng (B) of recombinant Hemagglutinin (HA1) using H5N1 Hemagglutinin antibody (ab21297 at 1 µg/ml.)

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