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. AAT76166). 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.
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**

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<th>Abreviews</th>
<th>Notes</th>
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<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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**Target**

**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

**Images**

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.
Western blot analysis of 5 ng (A) or 25 ng (B) of recombinant Hemagglutinin (HA1) using H5N1 Hemagglutinin antibody (ab21297 at 1 µg/ml.)

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

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