**Product name**
Anti-Avian Influenza A Hemagglutinin antibody

**Description**
Goat polyclonal to Avian Influenza A Hemagglutinin

**Host species**
Goat

**Specificity**
This antibody reacts with the Hemagglutinin 4 protein from the H5N1 strain of avian influenza A.

**Tested applications**
Suitable for: WB, ELISA

**Species reactivity**
React with: Other species

**Immunogen**
A synthetic peptide corresponding to 10 amino acids near the center of the Hemagglutinin 4 protein (Avian Influenza A).

**Positive control**
Recombinant Hemagglutinin 4.

### Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Store at +4°C.</td>
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<tr>
<td><strong>Storage buffer</strong></td>
<td>Preservative: 0.02% Sodium azide</td>
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<tr>
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<td>Constituent: PBS</td>
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<tr>
<td><strong>Purity</strong></td>
<td>Immunogen affinity purified</td>
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<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
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<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
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</tbody>
</table>

### Applications

Our Abpromise guarantee covers the use of ab62490 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Application</th>
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</table>
ELISA: Use at a concentration of 1µg/ml.
WB: Use at a concentration of 1µg/ml. Detects a band of approximately 43 kDa (predicted molecular weight: 64 kDa).

Not yet tested in other applications.
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

Images

All lanes: Anti-Avian Influenza A Hemagglutinin antibody (ab62490) at 1 µg/ml
Lane 1: 5ng Recombinant Hemagglutinin
Lane 2: 25ng Recombinant Hemagglutinin

Predicted band size: 64 kDa
Observed band size: 43 kDa

why is the actual band size different from the predicted?

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