**Product datasheet**

**Anti-Adenovirus Type 5 antibody ab6982**

<table>
<thead>
<tr>
<th>Rating</th>
<th>Reviews</th>
<th>References</th>
<th>Images</th>
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</thead>
<tbody>
<tr>
<td>★★★★★</td>
<td>9</td>
<td>51</td>
<td>5</td>
</tr>
</tbody>
</table>

**Overview**

**Product name**  
Anti-Adenovirus Type 5 antibody

**Description**  
Rabbit polyclonal to Adenovirus Type 5

**Host species**  
Rabbit

**Tested applications**  
Suitable for: Neutralising, IHC-P, IHC-Fr, ELISA, WB, ICC/IF

**Species reactivity**  
Reacts with: Other species

**Immunogen**  
Purified Adenovirus type 5

**Properties**

**Form**  
Liquid

**Storage instructions**  
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

**Purity**  
Whole antiserum

**Clonality**  
Polyclonal

**Isotype**  
IgG

**Applications**

Our **Abpromise guarantee** covers the use of **ab6982** 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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<tr>
<td>Neutralising</td>
<td></td>
<td>Use at an assay dependent concentration. This antibody will neutralize Ad5 infection in a bioassay (1/25,000 dilution for 50 % inactivation of Ad5 at 1000 particles/ml).</td>
</tr>
<tr>
<td>IHC-P</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 20442708</td>
</tr>
<tr>
<td>IHC-Fr</td>
<td>★★★★★</td>
<td>Use at an assay dependent concentration. PubMed: 20442708</td>
</tr>
<tr>
<td>ELISA</td>
<td>★★★★★</td>
<td>Use at an assay dependent concentration. Recognizes Ad5 immobilized on microtiter plates.</td>
</tr>
</tbody>
</table>
Adenoviruses are DNA viruses that cause upper respiratory tract infections, conjunctivitis, and other infections in humans. Adenoviruses were discovered in 1953. About 47 different types have been identified since then, and about half of them are believed to cause human diseases. Infants and children are most commonly affected by adenoviruses. Adenovirus infections can occur throughout the year, but seem to be most common from fall to spring. Adenoviruses are responsible for 3-5% of acute respiratory infections in children and 2% of respiratory illnesses in adults.

**Images**

**Immunocytochemistry/Immunofluorescence - Anti-Adenovirus Type 5 antibody (ab6982)**

Image courtesy of an anonymous Abreview.

**Western blot - Anti-Adenovirus Type 5 antibody (ab6982)**

ab6982 staining Adenovirus type 5 in human HeLa cells by Immunocytochemistry/Immunofluorescence. The cells were fixed in paraformaldehyde, permeabilised in 0.1% Triton and then blocked using 0.1% BSA for 16 hours at 4°C. Samples were then incubated with primary antibody at 1/800 for 1 hour at 37°C. The secondary antibody used was a donkey anti-rabbit IgG conjugated to Alexa Fluor® 546 (red) used at a 1/1000 dilution.

Top blot (A): ab6982 at a 1/4000 dilution staining Adenovirus type 5 capsid proteins by Western blot (ECL). Secondary = goat anti-rabbit (HRP conjugate).

Bottom blot (B): As above, except ab6982 omitted.

Top blot (A): ab6982 at a 1/4000 dilution staining Adenovirus type 5 capsid proteins by Western blot (ECL). Secondary = goat anti-rabbit (HRP conjugate). Bottom blot (B): As above, except ab6982 omitted.
Additional information regarding Adenovirus type 5 capsid proteins.

**All lanes**: Anti-Adenovirus Type 5 antibody (ab6982) at 1/10000 dilution

**All lanes**: human hepatocytes whole cell lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes**: HRP conjugated goat anti-rabbit secondary polyclonal antibody at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Observed band size**: 130 kDa

*why is the actual band size different from the predicted?*

**Exposure time**: 20 seconds

Blocked with 5% milk
**Western blot - Anti-Adenovirus Type 5 antibody** (ab6982) at 1/10000 dilution

**All lanes**: Anti-Adenovirus Type 5 antibody (ab6982) at 1/10000 dilution

**Lane 1**: Whole cell lysate prepared from U2OS cells.

**Lane 2**: Whole cell lysate prepared from U2OS cells infected with Adenovirus 5.

Lysates/proteins at 35 µg per lane.

**Secondary**

**All lanes**: Goat anti-rabbit conjugated to IRDye 700DX

Blocking step was performed using 5% milk for 1 hour at 23°C.

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

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