Product datasheet

Anti-Helicobacter pylori urease B antibody ab127916

Overview

Product name
Anti-Helicobacter pylori urease B antibody

Description
Rabbit polyclonal to Helicobacter pylori urease B

Host species
Rabbit

Tested applications
Suitable for: WB, IHC-P

Immunogen
Recombinant fragment, corresponding to a region within amino acids 341-398 of Helicobacter pylori urease B.

Positive control
Helicobacter pylori whole cell lysate; Mice Gastric pylori.

General notes
Keep as concentrated solution.

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer
pH: 7.00
Preservative: 0.01% Thimerosal (merthiolate)
Constituents: 78% PBS, 20% Glycerol, 1% BSA

Purity
Immunogen affinity purified

Clonality
Polyclonal

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab127916 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>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td>1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. citrate buffer-10mM</td>
<td></td>
</tr>
</tbody>
</table>
**Target**

<table>
<thead>
<tr>
<th>Function</th>
<th>Ammonia produced by ureolysis increases the gastric pH thereby providing an environment permissive for colonization of the stomach.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pathway</td>
<td>Nitrogen metabolism; urea degradation; CO(2) and NH(3) from urea (urease route): step 1/1.</td>
</tr>
<tr>
<td>Sequence similarities</td>
<td>Belongs to the urease family.</td>
</tr>
<tr>
<td></td>
<td>Contains 1 urease domain.</td>
</tr>
<tr>
<td>Post-translational modifications</td>
<td>Carbamylation allows a single lysine to coordinate two nickel ions.</td>
</tr>
<tr>
<td>Cellular localization</td>
<td>Cytoplasm. Also associates with the outer membrane upon autolysis of neighboring bacteria.</td>
</tr>
</tbody>
</table>

**Images**

**Western blot - Anti-Helicobacter pylori urease B antibody (ab127916)**

- **All lanes**: Anti-Helicobacter pylori urease B antibody (ab127916) at 1/50000 dilution
- **Lane 1**: Helicobacter pylori at 0.5 µg
- **Lane 2**: Helicobacter pylori at 1 µg

Developed using the ECL technique.

**Predicted band size**: 62 kDa

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Helicobacter pylori urease B antibody (ab127916)**

ab127916, at 1/500 dilution, staining Helicobacter pylori urease B in paraffin-embedded Mice Gastric pylori, by Immunohistochemistry.

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