Product datasheet

Anti-Helicobacter pylori urease B antibody ab127916

1 References   2 Images

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>Notes</th>
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<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>
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**Function**
Ammonia produced by ureolysis increases the gastric pH thereby providing an environment permissive for colonization of the stomach.

**Pathway**
Nitrogen metabolism; urea degradation; CO(2) and NH(3) from urea (urease route): step 1/1.

**Sequence similarities**
Belongs to the urease family.
Contains 1 urease domain.

**Post-translational modifications**
Carbamylation allows a single lysine to coordinate two nickel ions.

**Cellular localization**
Cytoplasm. Also associates with the outer membrane upon autolysis of neighboring bacteria.

**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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