Product datasheet

Anti-COX1 / Cyclooxygenase 1 antibody [EPR5867] ab133319

Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-COX1 / Cyclooxygenase 1 antibody [EPR5867]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit monoclonal [EPR5867] to COX1 / Cyclooxygenase 1</td>
</tr>
<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: WB, IHC-P</td>
</tr>
<tr>
<td></td>
<td>Unsuitable for: Flow Cyt, ICC or IP</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Reacts with: Mouse, Rat, Human</td>
</tr>
<tr>
<td>Immunogen</td>
<td>Synthetic peptide within Human COX1/ Cyclooxygenase 1 aa 500-600. The exact sequence is proprietary.</td>
</tr>
<tr>
<td>Positive control</td>
<td>C2C12, A431, NIH 3T3, Neuro 2a, and L6 cell lysates; Human stomach tissue.</td>
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</tbody>
</table>

General notes

Our RabMab® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents

This product is a recombinant rabbit monoclonal antibody.

Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.</td>
</tr>
<tr>
<td>Dissociation constant (K_D)</td>
<td>K_D = 8.00 x 10^{-11} M</td>
</tr>
<tr>
<td>Storage buffer</td>
<td>pH: 7.40</td>
</tr>
<tr>
<td></td>
<td>Preservative: 0.05% Sodium azide</td>
</tr>
<tr>
<td></td>
<td>Constituents: 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant</td>
</tr>
</tbody>
</table>
Purity: Tissue culture supernatant
Clonality: Monoclonal
Clone number: EPR5867
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab133319 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>WB</td>
<td>1/1000 - 1/10000. Detects a band of approximately 65-70 kDa (predicted molecular weight: 68 kDa).</td>
<td></td>
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<tr>
<td>IHC-P</td>
<td>1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
<td></td>
</tr>
</tbody>
</table>

Application notes: Is unsuitable for Flow Cyt, ICC or IP.

Target

Function: May play an important role in regulating or promoting cell proliferation in some normal and neoplastically transformed cells.
Pathway: Lipid metabolism; prostaglandin biosynthesis.
Sequence similarities: Belongs to the prostaglandin G/H synthase family. Contains 1 EGF-like domain.

Images

Western blot - Anti-COX1 / Cyclooxygenase 1 antibody [EPR5867] (ab133319) at 1/1000 dilution

Lane 1: C2C12 cell lysate
Lane 2: A431 cell lysate
Lane 3: NIH 3T3 cell lysate
Lane 4: Neuro 2a cell lysate
Lane 5: L6 cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes: Goat anti-Rabbit HRP at 1/2000 dilution
Predicted band size: 68 kDa

Immunohistochemical analysis of Paraffin Embedded Human stomach tissue labelling COX1/Cyclooxygenase 1 with ab133319 at 1/50 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-COX1 / Cyclooxygenase 1 antibody [EPR5867] (ab133319)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

Other - Anti-COX1 / Cyclooxygenase 1 antibody [EPR5867] (ab133319)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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