## Overview

**Product name**
Anti-LI Cadherin antibody [SP183] - C-terminal

**Description**
Rabbit monoclonal [SP183] to LI Cadherin - C-terminal

**Host species**
Rabbit

**Tested applications**
Suitable for: IHC-P

**Species reactivity**
Reacts with: Human

**Immunogen**
Synthetic peptide within Human LI Cadherin aa 800 to the C-terminus (C terminal). The exact sequence is proprietary.

**Database link**
Q12864

**Positive control**
Human colon, colon adenocarcinoma, breast, prostate and stomach adenocarcinoma tissues

**General notes**
This product is a recombinant rabbit monoclonal antibody.

## Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.</td>
</tr>
<tr>
<td><strong>Storage buffer</strong></td>
<td>pH: 7.6&lt;br&gt;Preservative: 0.1% Sodium azide&lt;br&gt;Constituents: PBS, 1% BSA</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Protein A/G purified</td>
</tr>
<tr>
<td><strong>Purification notes</strong></td>
<td>Purified from TCS by protein A/G.</td>
</tr>
<tr>
<td><strong>Clonality</strong></td>
<td>Monoclonal</td>
</tr>
<tr>
<td><strong>Clone number</strong></td>
<td>SP183</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
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</tbody>
</table>
Function
Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. LI-cadherin may have a role in the morphological organization of liver and intestine. Involved in intestinal peptide transport.

Tissue specificity
Expressed in the gastrointestinal tract and pancreatic duct. Not detected in kidney, lung, liver, brain, adrenal gland and skin.

Sequence similarities
Contains 7 cadherin domains.

Cellular localization
Cell membrane.

Images

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon carcinoma tissue sections labeling LI Cadherin with ab183318 at 1/100 dilution (2.42 µg/ml). Heat mediated antigen retrieval with Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Membranous staining on the human colon carcinoma, performed on a Leica Biosystems BOND™ RX instrument.
The section was incubated with ab183318 for 30 mins at room temperature.

Applications
Our Abpromise guarantee covers the use of ab183318 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.</td>
<td>Perform Antigen Retrieval by boil tissue sections in EDTA buffer, pH 8.0 for 10 min followed by cooling at room temperature for 20 min.</td>
</tr>
</tbody>
</table>
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human colon tissue sections labeling LI Cadherin with ab183318 at 1/100 dilution (2.42 µg/ml). Heat mediated antigen retrieval with Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 10mins. Goat Anti-Rabbit & Mouse IgG (HRP) was used as the secondary antibody. Hematoxylin was used as a counterstain. Membranous staining on the human colon, performed on a Leica Biosystems BOND™ RX instrument.
The section was incubated with ab183318 for 30 mins at room temperature.

Immunohistochemical analysis of Human colon tissue labeling LI Cadherin using ab183318 at a 1/100 dilution.
Immunohistochemical analysis of Human colon adenocarcinoma tissue labeling LI Cadherin using ab183318 at a 1/100 dilution.

Immunohistochemical analysis of Human stomach adenocarcinoma tissue labeling LI Cadherin using ab183318 at a 1/100 dilution.

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