Anti-PROM1 Picoband™ Antibody

Catalog Number: PB9156

About PROM1

Prominin-1, also known as CD133, is a glycoprotein that in humans is encoded by the PROM1 gene. It is mapped to 4p15.32. Prominin-1 is a member of pentaspan transmembrane glycoproteins (5-transmembrane, 5-TM), which specifically localize to cellular protrusions. This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. It has been proposed to act as an organizer of cell membrane topology. Prominin-1 was expressed not only on metastatic colon cancer cells, but also on differentiated colonic epithelium in both adult mice and humans.

Overview

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Anti-PROM1 Picoband™ Antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reactive Species</td>
<td>Human</td>
</tr>
<tr>
<td>Description</td>
<td>Rabbit IgG polyclonal antibody for Prominin-1(PROM1) detection. Tested with WB, IHC-P in Human.</td>
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<tr>
<td>Conjugate</td>
<td>No</td>
</tr>
<tr>
<td>Application</td>
<td>IHC, WB</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Formulation</td>
<td>Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.</td>
</tr>
<tr>
<td>Storage Instructions</td>
<td>At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.</td>
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<tr>
<td>Host</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Uniprot ID</td>
<td>O43490</td>
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</tbody>
</table>

Technical Details

<table>
<thead>
<tr>
<th>Immunogen</th>
<th>E.coli-derived human PROM1 recombinant protein (Position: P531-H865). Human PROM1 shares 61% amino acid (aa) sequence identity with mouse PROM1.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommended Detection Systems</td>
<td>Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).</td>
</tr>
</tbody>
</table>
## Anti-PROM1 Picoband™ Antibody (PB9156) Images

### Cross Reactivity
No cross reactivity with other proteins

### Isotype
N/A

### Form
Lyophilized

### Concentration
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

### Reconstitution
Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

### Purification
Immunogen affinity purified.

### Suggested Dilutions
- Immunohistochemistry (Paraffin-embedded Section), 0.5-1μg/ml, Human, By Heat Western blot, 0.1-0.5μg/ml, Human

For protocols please visit https://www.bosterbio.com/protocol-and-troubleshooting/

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Anti-PROM1 Picoband antibody, PB9156-1.jpg
All lanes: Anti PROM1 (PB9156) at 0.5ug/ml
WB: Recombinant Human PROM1 Protein 0.5ng
Predicted bind size: 40KD
Observed bind size: 40KD

Anti-PROM1 Picoband antibody, PB9156-2.jpg
All lanes: Anti PROM1 (PB9156) at 0.5ug/ml
WB: MCF-7 Whole Cell Lysate at 40ug
Predicted bind size: 97KD
Observed bind size: 130KD
Submit a product review to Biocompare.com

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Anti-PROM1 Picoband antibody, PB9156-3.JPG
IHC(P): Human Tonsil Tissue