Product datasheet

Anti-CRB3 antibody [14F9] ab180835

Overview

Product name            Anti-CRB3 antibody [14F9]
Description             Rat monoclonal [14F9] to CRB3
Host species            Rat
Tested applications     Suitable for: WB, ICC, ICC/IF
Species reactivity      Reacts with: Mouse, Human
Immunogen               Full length protein corresponding to Rat CRB3.
                        Database link: 301112
Positive control        Mouse kidney and colon tissue lysates; HEK293T cells overexpressed with CRB3. Mouse intestine tissue. HeLa cells.

Properties

Form                    Liquid
Storage buffer          PFHM culture media
Purity                  Protein G purified
Clonality               Monoclonal
Clone number            14F9
Isotype                 IgG2c

Applications

Our Abpromise guarantee covers the use of ab180835 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>WB</td>
<td></td>
<td>1/1000. Predicted molecular weight: 13 kDa.</td>
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<tr>
<td>ICC</td>
<td></td>
<td>1/100.</td>
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### Target

**Function**
Involved in the establishment of cell polarity in mammalian epithelial cells. Regulates the morphogenesis of tight junctions.

**Tissue specificity**
Preferentially expressed in epithelial tissues. Expressed at high levels in lung, kidney, retina, colon and mammary glands. Expressed at moderate levels in liver, spleen, pancreas, placenta and prostate.

**Domain**
The PDZ-binding motif is involved in the interactions with PARD6A and MPP5.

**Cellular localization**
Apical cell membrane. Cell junction > tight junction. Localizes primarily to the apical membrane with a small fraction in the upper part of tight junctions of epithelial cells.

### Images

Immunofluorescence analysis of HeLa cell labeling CRB3 with ab1808350 at a 1/100 dilution. DAPI was used to stain the nuclei.

All lanes: Anti-CRB3 antibody [14F9] (ab180835) at 1/1000 dilution

- **Lane 1**: HEK293T cells overexpressed with control vector
- **Lane 2**: HEK293T cells overexpressed with CRB3
- **Lane 3**: Mouse kidney tissue lysate
- **Lane 4**: Mouse colon tissue lysate

**Predicted band size**: 13 kDa

### Application

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**Abreviews**: 1/100.
Immunofluorescence analysis of Mouse intestine labeling CRB3 with ab1808350 at a 1/100 dilution. E-cadherin staining was used to highlight the lateral membrane in mouse intestine.

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