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  
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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<tr>
<td>WB</td>
<td>1/1000. Predicted molecular weight: 13 kDa.</td>
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<td>ICC</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.**

**Western blot - 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
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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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