

Product datasheet

Anti-ZO1 tight junction protein antibody ab84934

1 图像

概述

|       |  |
|-------|--|
| 产品名称  | Anti-ZO1 tight junction蛋白抗体  |
| 描述    | 兔多克隆抗体to ZO1 tight junction蛋白  |
| 宿主    | Rabbit   |
| 经测试应用 | 适用于: WB  |
| 种属反应性 | 与反应: Human<br>预测可用于: Mouse, Dog   |
| 免疫原   | Synthetic peptide conjugated to KLH derived from within residues 650 - 750 of Human ZO1 tight junction protein.参阅Abcam的专有抗源政策(Peptide available as <a href="#">ab101198</a> .) |
| 阳性对照  | This antibody gave a positive signal in Human Lung Tissue Lysate.  |

性能

|      |  |
|------|--|
| 形式   | Liquid   |
| 存放说明 | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| 存储溶液 | Preservative: 0.02% Sodium Azide<br>Constituents: 1% BSA, PBS, pH 7.4  |
| 纯度   | Immunogen affinity purified  |
| 克隆   | 多克隆  |
| 同种型  | IgG  |

应用

Our [Abpromise guarantee](#) covers the use of **ab84934** in the following tested applications.

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

| 应用 | Ab评论 | 说明   |
|----|------|--|
| WB |      | Use a concentration of 1 µg/ml. Detects a band of approximately 210 kDa (predicted molecular weight: 195 kDa). |

## 靶标

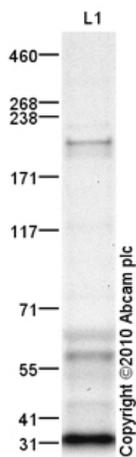
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|              |   |
|--------------|---|
| <b>功能</b>    | The N-terminal may be involved in transducing a signal required for tight junction assembly, while the C-terminal may have specific properties of tight junctions. The alpha domain might be involved in stabilizing junctions.                 |
| <b>组织特异性</b> | The alpha-containing isoform is found in most epithelial cell junctions. The short isoform is found both in endothelial cells and the highly specialized epithelial junctions of renal glomeruli and Sertoli cells of the seminiferous tubules. |
| <b>序列相似性</b> | Belongs to the MAGUK family.<br>Contains 1 guanylate kinase-like domain.<br>Contains 3 PDZ (DHR) domains.<br>Contains 1 SH3 domain.<br>Contains 1 ZU5 domain.   |
| <b>结构域</b>   | The second PDZ domain mediates interaction with GJA12.  |
| <b>翻译后修饰</b> | Phosphorylated. Dephosphorylated by PTPRJ.  |
| <b>细胞定位</b>  | Cell membrane. Cell junction > tight junction. Movement of ZO-1 from the cytoplasm to membrane is an early event occurring concurrently with cell-cell contact.   |

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## 图片

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Western blot - Anti-ZO1 tight junction protein antibody (ab84934)

Anti-ZO1 tight junction protein antibody (ab84934) at 1 µg/ml + Lung (Human) Tissue Lysate at 10 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 195 kDa

**Observed band size:** 210 kDa

**Additional bands at:** 31 kDa, 58 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 12 minutes

ZO1 tight junction protein contains an extensive number of potential phosphorylation sites (SwissProt) which may explain its migration at a higher molecular weight than predicted.

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