

Anti-Plakophilin 3 antibody [EPR5560] ab109441

重组 RabMAb

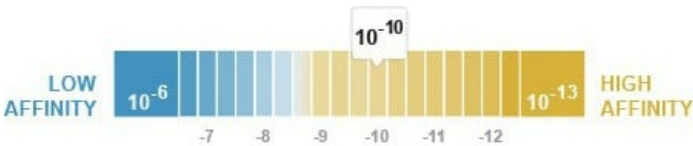
2 References 6 图像

概述

产品名称	Anti-Plakophilin 3抗体[EPR5560]
描述	兔单克隆抗体[EPR5560] to Plakophilin 3
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt, ICC/IF or IP
种属反应性	与反应: Human 预测可用于: Mouse, Rat
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Caco2 and HACAT cell lysates; Human breast and kidney tissues.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
解离常数 (K _D)	K _D = 1.66 x 10 ⁻¹⁰ M



[Learn more about K_D](#)

存储溶液	pH: 7.20
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纯度

克隆

克隆编号

同种型

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab109441于以下的经测试应用**

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/10000 - 1/50000. Detects a band of approximately 87 kDa (predicted molecular weight: 87 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.

应用说明 Is unsuitable for Flow Cyt, ICC/IF or IP.

靶标

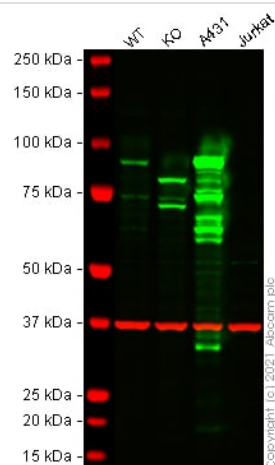
功能	May play a role in junctional plaques.
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组织特异性	Found in desmosomes of most simple and stratified epithelia. Not found in foreskin fibroblasts and various sarcoma-derived cell lines. Beside dendritic reticular cells of lymphatic follicles not found in non-epithelial desmosome-bearing tissues.
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序列相似性	<p>Belongs to the beta-catenin family.</p> <p>Contains 8 ARM repeats.</p>
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细胞定位 Nucleus. Cell junction > desmosome. Nuclear and associated with desmosomes.

图片



Western blot - Anti-Plakophilin 3 antibody
[EPR5560] (ab109441)

All lanes : Anti-Plakophilin 3 antibody [EPR5560] (ab109441) at 1/10000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : PKP3 CRISPR-Cas9 edited HeLa cell lysate

Lane 3 : A431 cell lysate

Lane 4 : Jurkat cell lysate

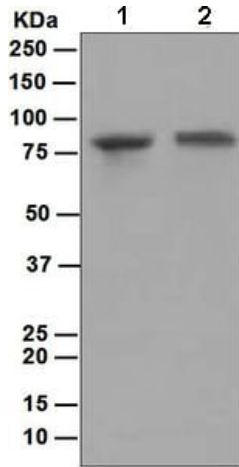
Lysates/proteins at 20 µg per lane.

Predicted band size: 87 kDa

Observed band size: 70, 80 kDa

False colour image of Western blot: Anti-Plakophilin 3 antibody [EPR5560] staining at 1/10000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] ([ab8245](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab109441 was shown to bind specifically to Plakophilin 3. A band was observed at 70 and 80 kDa in wild-type HeLa cell lysates with no signal observed at this size in PKP3 CRISPR-Cas9 edited cell line [ab265539](#) (CRISPR-Cas9 edited cell lysate [ab258120](#)). The band observed in the CRISPR-Cas9 edited lysate lane below 70 and 80 kDa is likely to represent a truncated form of Plakophilin 3. This has not been investigated further and the functional properties of the gene product have not been determined. To generate this image, wild-type and PKP3 CRISPR-Cas9 edited HeLa cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L

(IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) at 1/20000 dilution.



Western blot - Anti-Plakophilin 3 antibody
[EPR5560] (ab109441)

All lanes : Anti-Plakophilin 3 antibody [EPR5560] (ab109441) at 1/10000 dilution

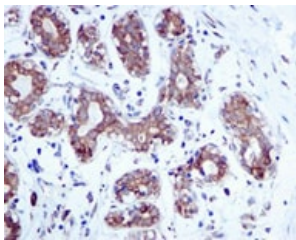
Lane 1 : Caco-2 cell lysate

Lane 2 : HACAT cell lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 87 kDa

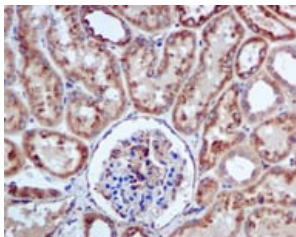
Observed band size: 87 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Plakophilin 3 antibody
[EPR5560] (ab109441)

ab109441 at 1/100 dilution staining Human paraffin-embedded breast tissue.

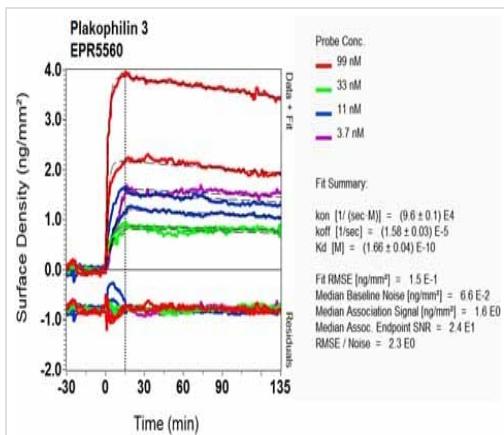
Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Plakophilin 3 antibody
[EPR5560] (ab109441)

ab109441 at 1/100 dilution staining paraffin-embedded Human kidney tissue.

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



SPR Scanning - Anti-Plakophilin 3 antibody
[EPR5560] (ab109441)

Equilibrium dissociation constant (K_D)

[Learn more about \$K_D\$](#)

[Click here to learn more about \$K_D\$](#)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Plakophilin 3 antibody [EPR5560] (ab109441)

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

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