

Anti-PERP antibody [EPR7885] ab129083

敲除验证
重组
RabMAb

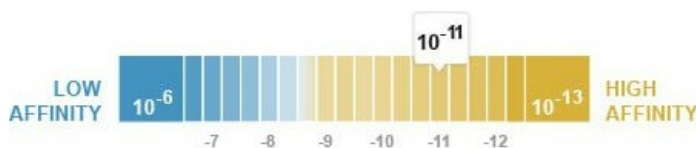
[2 References](#)
[6 图像](#)

概述

产品名称	Anti-PERP抗体[EPR7885]
描述	兔单克隆抗体[EPR7885] to PERP
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF 不适用于: Flow Cyt, IHC-P or IP
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: A431, HaCaT and HeLa cell lysates; Mouse heart, rat heart and human skin lysates. IHC-P: A431 cells
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 = 4.10 x 10 ⁻¹¹ M



[Learn more about K_D](#)

存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p>
------	---

	Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR7885
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab129083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。

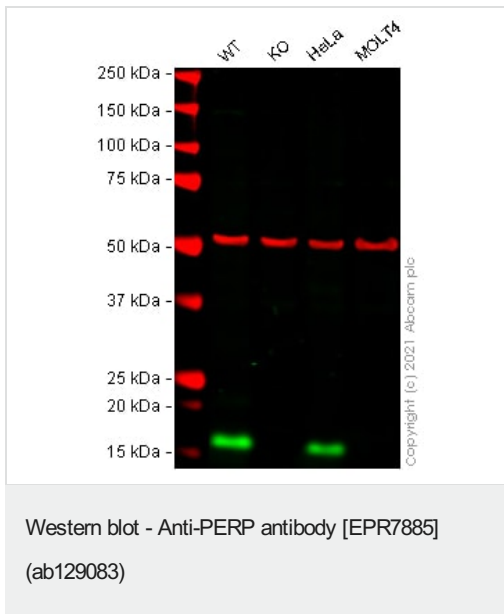
应用	Ab评论	说明
WB		1/1000 - 1/10000. Predicted molecular weight: 21 kDa.
ICC/IF		1/100 - 1/250.

应用说明 Is unsuitable for Flow Cyt, IHC-P or IP.

靶标

功能	Component of intercellular desmosome junctions. Plays a role in stratified epithelial integrity and cell-cell adhesion by promoting desmosome assembly. Plays a role as an effector in the TP53-dependent apoptotic pathway.
组织特异性	Expressed in skin, heart, placental, liver, pancreas, keratinocytes and dermal fibroblasts.
序列相似性	Belongs to the TMEM47 family.
细胞定位	Cell junction > desmosome. Cell membrane. Associated with desmosomes.

图片



All lanes : Anti-PERP antibody [EPR7885] (ab129083) at 1/1000 dilution

Lane 1 : Wild-type A431 cell lysate

Lane 2 : PERP knockout A431 cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : MOLT-4 cell lysate

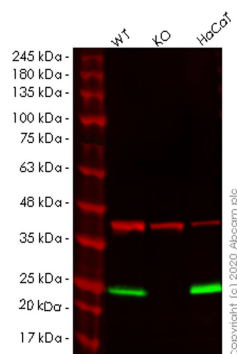
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 21 kDa

Observed band size: 17 kDa

False colour image of Western blot: Anti-PERP antibody [EPR7885] staining at 1/1000 dilution, shown in green; Mouse anti-Alpha Tubulin [DM1A] ([ab7291](#)) loading control staining at 1/20000 dilution, shown in red. In Western blot, ab129083 was shown to bind specifically to PERP. A band was observed at 17 kDa in wild-type A431 cell lysates with no signal observed at this size in PERP knockout cell line [ab270475](#) (knockout cell lysate [ab270498](#)). To generate this image, wild-type and PERP knockout A431 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-PERP antibody [EPR7885]
(ab129083)

All lanes : Anti-PERP antibody [EPR7885] (ab129083) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : PERP knockout HeLa cell lysate

Lane 3 : HaCaT cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

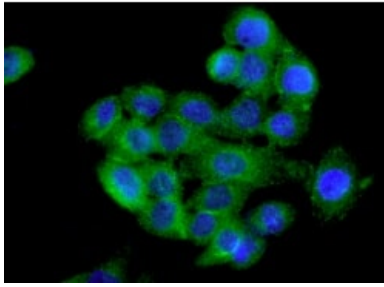
All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) at 1/10000 dilution

Predicted band size: 21 kDa

Observed band size: 24 kDa

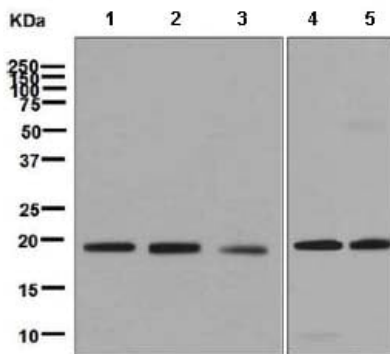
Lanes 1-3: Merged signal (red and green). Green - ab129083 observed at 24 kDa. Red - loading control [ab8245](#) observed at 36 kDa.

ab129083 Anti-PERP antibody [EPR7885] was shown to specifically react with PERP in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265335](#) (knockout cell lysate [ab258105](#)) was used. Wild-type and PERP knockout samples were subjected to SDS-PAGE. ab129083 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated at room temperature for 2.5 hours at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed ([ab216773](#)) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed ([ab216776](#)) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.



Immunocytochemistry/ Immunofluorescence - Anti-PERP antibody [EPR7885] (ab129083)

ab129083, at a dilution of 1/100, staining PERP in A431 cells by Immunofluorescence.



Western blot - Anti-PERP antibody [EPR7885] (ab129083)

All lanes : Anti-PERP antibody [EPR7885] (ab129083) at 1/1000 dilution

Lane 1 : Mouse heart lysate

Lane 2 : Rat heart lysate

Lane 3 : A431 lysate

Lane 4 : HACAT lysate

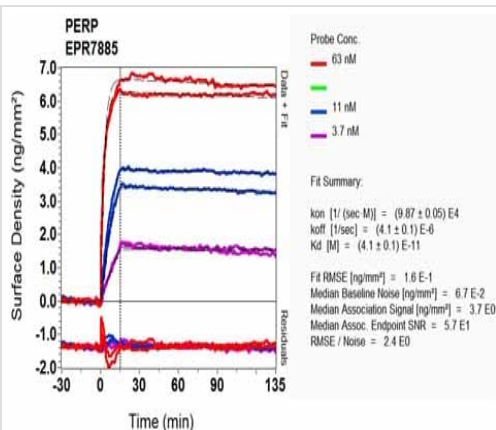
Lane 5 : Human skin lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 21 kDa



SPR Scanning - Anti-PERP antibody [EPR7885] (ab129083)

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-PERP antibody [EPR7885] (ab129083)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors