

Anti-PERP antibody [EPR7885] - BSA and Azide free ab248288

KO 評価済 リコンビナント RabMAb

画像数 3

製品の概要

製品名	Anti-PERP antibody [EPR7885] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR7885] to PERP - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB 適用なし: Flow Cyt, IHC-P or IP
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HeLa and HaCaT cell lysates.
特記事項	<p>ab248288 is the carrier-free version of ab129083.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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>

製品の特長

製品の状態

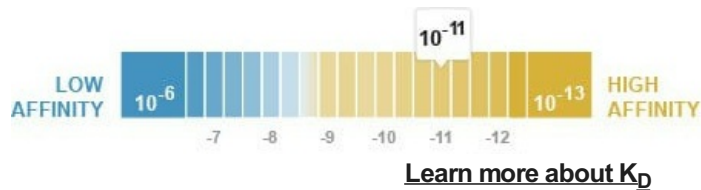
Liquid

保存方法

Shipped at 4°C. Store at +4°C. Do Not Freeze.

解離定数 (K_D 値)

$K_D = 4.10 \times 10^{-11}$ M



バッファー

pH: 7.2

Constituent: PBS

キャリア・フリー

はい

精製度

Protein A purified

ポリ/モノ

モノクローナル

クローン名

EPR7885

アイソタイプ

IgG

アプリケーション

The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab248288の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 21 kDa.

追加情報

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

ターゲット情報

機能

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.

組織特異性

Expressed in skin, heart, placental, liver, pancreas, keratinocytes and dermal fibroblasts.

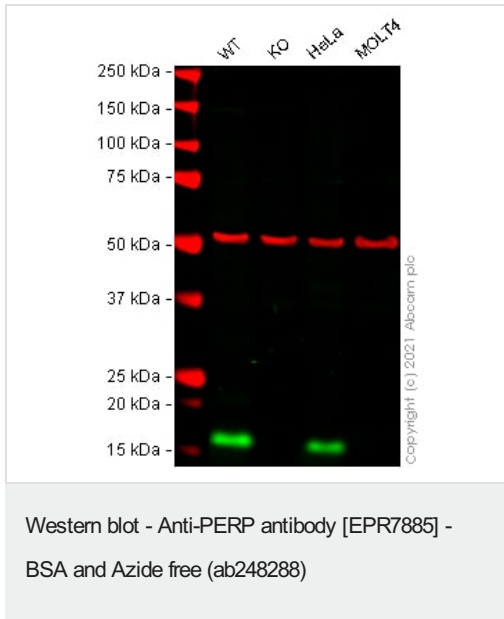
配列類似性

Belongs to the TMEM47 family.

細胞内局在

Cell junction > desmosome. Cell membrane. Associated with desmosomes.

画像



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

Lane 2 : PERP knockout A431 cell lysate

Lane 4 : MOLT-4 cell lysate

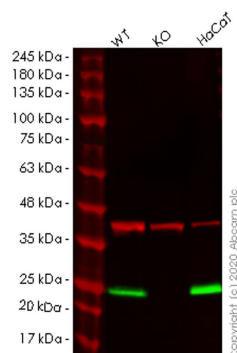
Lysates/proteins at 20 µg per lane.

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] - BSA and Azide free (ab248288)

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

This data was developed using the same antibody clone in a different buffer formulation ([ab129083](#)).

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.

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] - BSA and Azide free (ab248288)

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

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