

Anti-Loricrin antibody [EPR7148(2)(B)] ab176322

リコンビナント RabMAb

8 References 画像数 4

製品の概要

製品名	Anti-Loricrin antibody [EPR7148(2)(B)]
製品の詳細	Rabbit monoclonal [EPR7148(2)(B)] to Loricrin
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB, mlHC 適用なし: ICC/IF or IP
種交差性	交差種: Human
免疫原	Synthetic peptide within Human Loricrin aa 1-100. The exact sequence is proprietary. Database link: P23490
ポジティブ・コントロール	Human skin lysate and Human skin tissue.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
精製度	Protein A purified

ポリモノ	モノクローナル
クローン名	EPR7148(2)(B)
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ab176322の使用に適用されず
 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検討ください。

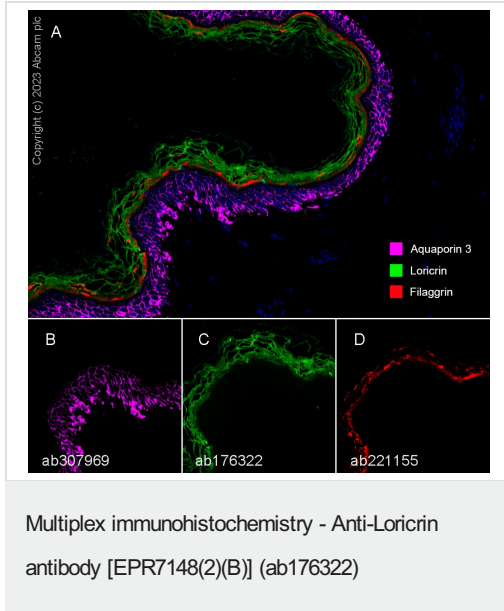
アプリケーション	Abreviews	特記事項
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/10000 - 1/50000. Predicted molecular weight: 26 kDa.
mlHC		1/3000.

追加情報 Is unsuitable for ICC/IF or IP.

ターゲット情報

機能	Major keratinocyte cell envelope protein.
関連疾患	Defects in LOR are a cause of progressive symmetric erythrokeratoderma (PSEK) [MIM:133200]. Erythrokeratodermas are a group of disorders characterized by widespread erythematous plaques, either stationary or migratory, associated with features that include palmoplantar keratoderma. PSEK is characterized by erythematous and hyperkeratotic plaques. Defects in LOR are the cause of Vohwinkel syndrome with ichthyosis (VSI) [MIM:604117]; also known as loricrin keratoderma (LK) or mutilating keratoderma with ichthyosis. VSI is an ichthyotic variant of Vohwinkel syndrome (VS) characterized by progressive symmetric erythrokeratoderma or congenital ichthyosiform erythroderma born as a collodion baby. Common clinical features include hyperkeratosis of the palms and soles with digital constriction.
翻訳後修飾	Substrate of transglutaminases. Some glutamines and lysines are cross-linked to other loricrin molecules and to SPRRs proteins. Contains inter- or intramolecular disulfide-bonds.
細胞内局在	Cytoplasm. Nucleus > nucleoplasm.

画像



Multiplex immunohistochemistry - Anti-Loricrin antibody [EPR7148(2)(B)] (ab176322)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human skin tissue labelling Aquaporin 3 with **ab307969** at 1/5000 dilution (0.094 µg/mL) (B), Loricrin with ab176322 at 1/3000 dilution (0.031 µg/ml) (C) and Filaggrin with **ab221155** at 1/2000 dilution (0.523 µg/ml) (D). Opal Polymer HRP Ms + Rb was used as a secondary antibody, and DAPI was used for a nuclear counter stain. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution2) for 20 mins.

Panel A: merged staining of anti-Aquaporin 3 (magenta; Opal™690), anti-Loricrin (green; Opal™520) and anti-Filaggrin (red; Opal™570) on human skin.

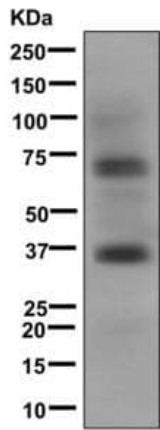
Panel B: anti-Aquaporin 3 stained on keratinocytes from the stratum basale to the stratum granulosum of the epidermis.

Panel C: anti-Loricrin stained on stratum corneum.

Panel D: anti-Filaggrin stained on the granular to stratum corneum transition.

The section was incubated in three rounds of staining: in the order of **ab307969**, ab176322, and **ab221155** for 30 mins at room temperature. Each round was followed by a separate fluorescent tyramide signal amplification system.

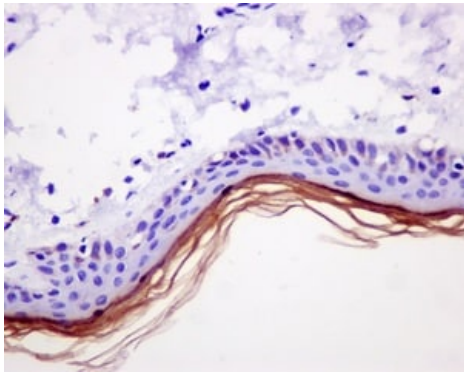
The immunostaining was performed on a Leica Biosystems BOND® RX instrument with an Opal™ 4-color kit. Image acquisition was performed with Leica SP8 confocal microscope.



Western blot - Anti-Loricrin antibody [EPR7148(2)(B)] (ab176322)

Anti-Loricrin antibody [EPR7148(2)(B)] (ab176322) at 1/10000 dilution + Human skin lysate at 10 µg

Predicted band size: 26 kDa







Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Loricrin antibody [EPR7148(2)(B)] (ab176322)

Immunohistochemical analysis of paraffin-embedded Human skin tissue labeling Loricrin using ab176322 at a 1/250 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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

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