

Product datasheet

Anti-Involucrin antibody ab111781

画像数 2

製品の概要

製品名	Anti-Involucrin antibody
製品の詳細	Rabbit polyclonal to Involucrin
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB
種交差性	交差種: Human
免疫原	Synthetic peptide conjugated to KLH derived from within residues 350 - 450 of Human Involucrin. Immunogenの所有権に関して
ポジティブ・コントロール	This antibody gave a positive signal in Human Skin tissue lysate as well as the following whole cell lysates: Human Foreskin Fibroblast; HUVEC; HeLa; A431; Saos-2. This antibody gave a positive result in IF in the following Formaldehyde fixed cell line: HeLa and MCF-7.

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 or -80°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Note: Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
精製度	Immunogen affinity purified
ポリモノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab111781** in the following tested applications.

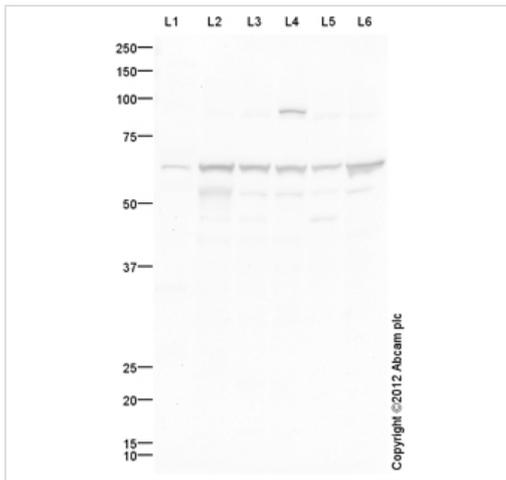
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 1 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa).

ターゲット情報

機能	Part of the insoluble cornified cell envelope (CE) of stratified squamous epithelia.
組織特異性	Keratinocytes of epidermis and other stratified squamous epithelia.
配列類似性	Belongs to the involucrin family.
翻訳後修飾	Substrate of transglutaminase. Some glutamines and lysines are cross-linked to other involucrin molecules, to other proteins such as keratin, desmoplakin, periplakin and envoplakin, and to lipids like omega-hydroxyceramide.
細胞内局在	Cytoplasm. Constituent of the scaffolding of the cornified envelope.

画像



Western blot - Anti-Involucrin antibody (ab111781)

All lanes : Anti-Involucrin antibody
(ab111781) at 1 µg/ml

Lane 1 : Human skin tissue lysate - total
protein (ab30166)

Lane 2 : Human Foreskin Fibroblast Whole
Cell Lysate Whole Cell Lysate

Lane 3 : HUVEC (Human Umbilical Vein
Endothelial Cell) Whole Cell Lysate

Lane 4 : HeLa (Human epithelial carcinoma
cell line) Whole Cell Lysate

Lane 5 : A431 (Human epithelial carcinoma
cell line) Whole Cell Lysate

Lane 6 : Saos 2 (Human epithelial-like
osteosarcoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

Developed using the ECL technique.

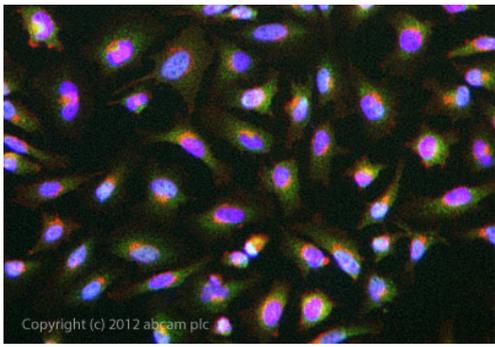
Performed under reducing conditions.

Predicted band size: 68 kDa

Observed band size: 68 kDa

Additional bands at: 55 kDa, 94 kDa. We
are unsure as to the identity of these extra
bands.

Exposure time: 30 seconds



Immunocytochemistry/ Immunofluorescence - Anti-Involucrin antibody (ab111781)

ICC/IF image of ab111781 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab111781 at 1µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit (ab96899) IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in formaldehyde fixed (4%, 10min) MCF-7 cells.

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