

### Anti-Involucrin antibody [EPR13054] ab181980

重组 RabMAb

★★★★★ [1 Abreviews](#) [2 References](#) [6 图像](#)

#### 概述

产品名称	Anti-Involucrin抗体[EPR13054]
描述	兔单克隆抗体[EPR13054] to Involucrin
宿主	Rabbit
特异性	Unsuitable for rat IHC-P.
经测试应用	适用于: Flow Cyt (Intra), IHC-P, WB
种属反应性	与反应: Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	SW480 and Human fetal skin lysates; Human skin and tonsil tissues; HUVEC 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"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 性能

形式	Liquid
存放说明	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.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	EPR13054
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab181980于以下的经测试应用

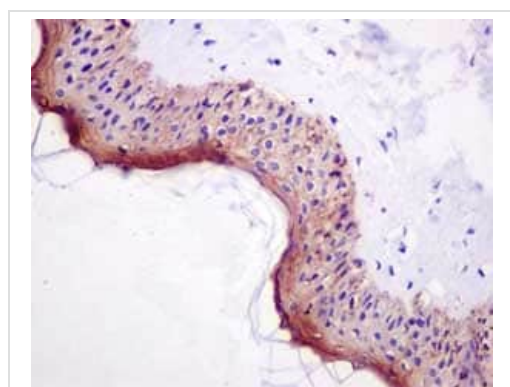
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/10. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/10000 - 1/50000. Detects a band of approximately 120 kDa (predicted molecular weight: 68 kDa).

## 靶标

功能	Part of the insoluble cornified cell envelope (CE) of stratified squamous epithelia.
组织特异性	Keratinocytes of epidermis and other stratified squamous epithelia.
序列相似性	Belongs to the involucrin family.
翻译后修饰	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.
细胞定位	Cytoplasm. Constituent of the scaffolding of the cornified envelope.

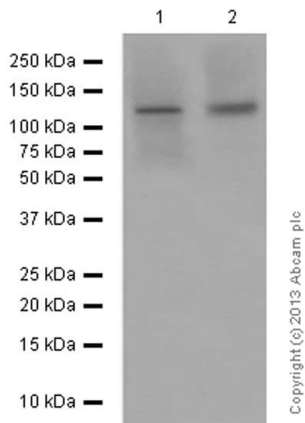
## 图片



Immunohistochemical analysis of paraffin-embedded Human skin tissue labeling Involucrin with ab181980 at 1/100 dilution, followed by prediluted ImmunoHistoprobe (Ready to use) HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Involucrin antibody [EPR13054] (ab181980)



Western blot - Anti-Involucrin antibody [EPR13054] (ab181980)

**All lanes :** Anti-Involucrin antibody [EPR13054] (ab181980) at 1/500000 dilution

**Lane 1 :** HaCaT (Human keratinocyte cell line) whole cell lysate

**Lane 2 :** A431 (Human epidermoid carcinoma cell line) whole cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

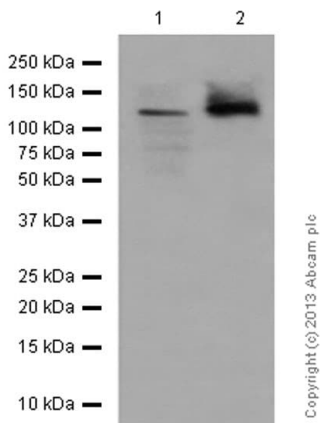
**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 68 kDa

**Observed band size:** 120 kDa

**Exposure time:** 1 minute

**Diluting and blocking buffer:** 5% NFDm/TBST



Western blot - Anti-Involucrin antibody [EPR13054] (ab181980)

**All lanes :**

**Lane 1 :** Human fetal skin tissue

**Lane 2 :** Rat skin tissue

Lysates/proteins at 10 µg per lane.

**Secondary**

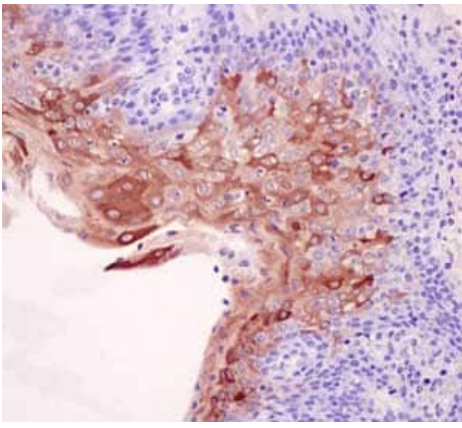
**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 68 kDa

**Observed band size:** 120 kDa

**Exposure time:** 1 minute

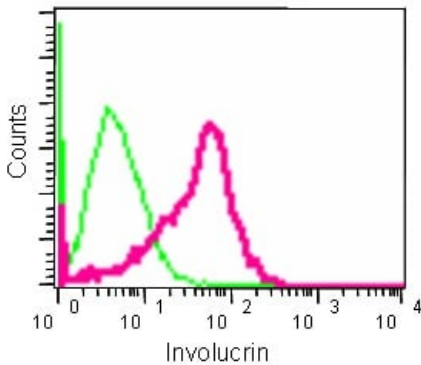
**Diluting and blocking buffer:** 5% NFDm/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Involucrin antibody [EPR13054] (ab181980)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling Involucrin with ab181980 at 1/100 dilution, followed by prediluted ImmunoHistoprobe (Ready to use) HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin.


Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.





Flow Cytometry (Intracellular) - Anti-Involucrin antibody [EPR13054] (ab181980)


Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed HUVEC cells labeling Involucrin with ab181980 at 1/10 dilution (red) compared to a Rabbit monoclonal IgG Isotype control (green), followed by Goat anti rabbit IgG (FITC) secondary antibody at 1/150 dilution.

### Why choose a recombinant antibody?

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**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-Involucrin antibody [EPR13054] (ab181980)

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