

# Anti-hair cortex Cytokeratin/K40 antibody [AE13] ab16113

★★★★★ [7 Abreviews](#) [36 References](#) [画像数 2](#)

### 製品の概要

製品名	Anti-hair cortex Cytokeratin/K40 antibody [AE13]
製品の詳細	Mouse monoclonal [AE13] to hair cortex Cytokeratin/K40
由来種	Mouse
特異性	This antibody is specific for the family of hair cortex keratins.
アプリケーション	<b>適用あり:</b> IHC-Fr, IHC-P, WB, Flow Cyt
種交差性	<b>交差種:</b> Mouse, Human
免疫原	Full length native protein (purified) corresponding to Human hair cortex Cytokeratin/K40.
特記事項	<p>This antibody is an excellent marker for hair and nail differentiation.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.20 Preservative: 0.1% Sodium azide Constituent: PBS
精製度	Protein G purified
一次抗体 備考	This antibody is an excellent marker for hair and nail differentiation.
ポリ/モノ	モノクローナル
クローン名	AE13
ミエローマ	P3x63-Ag8.653
アイソタイプ	IgG1

## アプリケーション

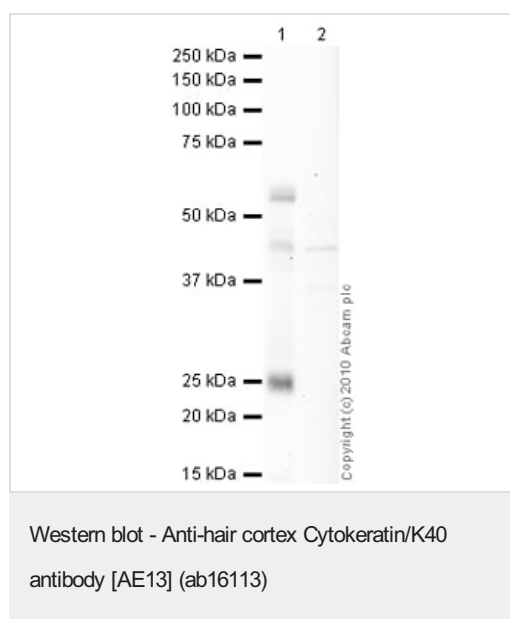
**The Abpromise guarantee** Abpromise保証は、次のテスト済みアプリケーションにおけるab16113の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-Fr	★★★★★ (4)	Use at an assay dependent concentration.
IHC-P	★★★★☆ (3)	Use at an assay dependent concentration.
WB		1/1000. Detects a band of approximately 44 kDa (predicted molecular weight: 44 - 46 kDa).
Flow Cyt		1/20 - 1/50. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

## ターゲット情報

機能	May play a role in late hair differentiation.
組織特異性	Expressed in skin and scalp. Also very weakly expressed in tongue, breast, colon and small intestine. In the hair follicle, it is specifically present in the upper hair cuticle. Not present in the upper cortex (at protein level).
配列類似性	Belongs to the intermediate filament family.
発生段階	During differentiation of the hair, it is one of the last keratins expressed.

## 画像



**All lanes** : Anti-hair cortex Cytokeratin/K40 antibody [AE13] (ab16113) at 1 µg/ml

**Lane 1** : Mouse skin tissue lysate (14 days) (**ab7271**)

**Lane 2** : Caco 2 (Human colonic carcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Goat Anti-Mouse IgG H&L (HRP) preadsorbed (**ab97040**) at 1/5000 dilution

Developed using the ECL technique.

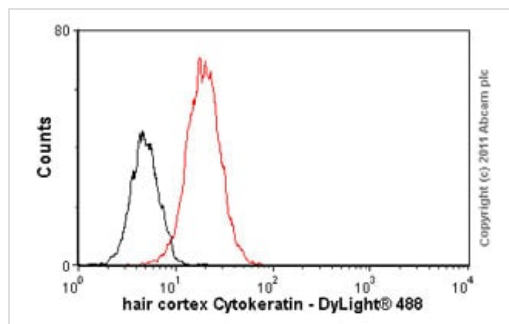
Performed under reducing conditions.

**Predicted band size:** 44 - 46 kDa

**Observed band size:** 44 kDa

**Additional bands at:** 25 kDa, 55 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 20 minutes



Flow Cytometry - Anti-hair cortex Cytokeratin/K40 antibody [AE13] (ab16113)

Overlay histogram showing A431 cells stained with ab16113 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Triton for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab16113, 1/20 dilution) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse mouse IgG1 [ICIGG1] ([ab91353](#), 2µg/1x10<sup>6</sup> cells ) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in A431 cells fixed with 100% methanol (5 min)/permeabilized in 0.1% PBS-Triton used under the same conditions.

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

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