


# Anti-Cytokeratin 4 antibody [EPR1598] ab92465

リコンビナント RabMAb

## 2 References [画像数 4](#)

### 製品の概要

製品名	Anti-Cytokeratin 4 antibody [EPR1598]
製品の詳細	Rabbit monoclonal [EPR1598] to Cytokeratin 4
由来種	Rabbit
特異性	The immunogen shares high homology with other cytokeratins like cytokeratin-3(93%), cytokeratin-79(85.7%) and cytokeratin-2 oral(85.7%) etc.
アプリケーション	<b>適用あり:</b> WB, IHC-P, ICC/IF <b>適用なし:</b> Flow Cyt or IP
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Rat 
免疫原	Synthetic peptide corresponding to Human Cytokeratin 4.
ポジティブ・コントロール	WB: A431 and Human uterus cell lysates IHC-P: Human tonsil tissue ICC/IF: A431 cells
特記事項	<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> <p>Mouse: We have preliminary internal testing data to indicate this antibody may not react with this species. Please contact us for more information.</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue

	culture supernatant
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EPR1598
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ab92465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
WB		
IHC-P		
ICC/IF		

## 追加情報

ICC/IF: 1/100 - 1/250.  
 IHC-P: 1/100 - 1/250. Antigen retrieval is recommended before commencing with IHC staining protocol. The use of an HRP/AP polymerized secondary antibody is recommended.  
 WB: 1/1000 - 1/10,000. Predicted molecular weight: 57 kDa.

Is unsuitable for Flow Cyt or IP.

Not yet tested in other applications.  
 Optimal dilutions/concentrations should be determined by the end user.

## ターゲット情報

### 組織特異性

Detected in the suprabasal layer of the stratified epithelium of the esophagus, exocervix, vagina, mouth and lingual mucosa, and in cells and cell clusters in the mucosa and serous gland ducts of the esophageal submucosa (at protein level). Expressed widely in the exocervix and esophageal epithelium, with lowest levels detected in the basal cell layer.

### 関連疾患

Defects in KRT4 are a cause of white sponge nevus of cannon (WSN) [MIM:193900]. WSN is a rare autosomal dominant disorder which predominantly affects non-cornified stratified squamous epithelia. Clinically, it is characterized by the presence of soft, white, and spongy plaques in the oral mucosa. The characteristic histopathologic features are epithelial thickening, parakeratosis, and vacuolization of the suprabasal layer of oral epithelial keratinocytes. Less frequently the mucous membranes of the nose, esophagus, genitalia and rectum are involved.

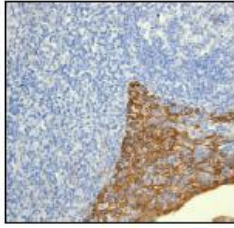
### 配列類似性

Belongs to the intermediate filament family.

### 製品の状態

Localisation: Intermediate filament (Cytoskeleton).

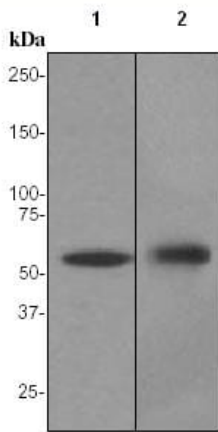
## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 4 antibody [EPR1598] (ab92465)

ab92465, at a 1/100 dilution, staining Cytokeratin 4 in paraffin embedded Human tonsil tissue by Immunohistochemistry. Note positive staining of squamous cells.

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



Western blot - Anti-Cytokeratin 4 antibody [EPR1598] (ab92465)

**All lanes** : Anti-Cytokeratin 4 antibody [EPR1598] (ab92465) at 1/1000 dilution

**Lane 1** : A431 cell lysate

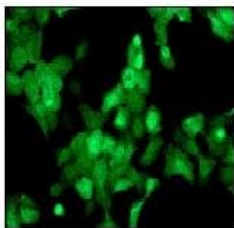
**Lane 2** : Human uterus cell lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes** : HRP labelled goat anti-rabbit IgG at 1/2000 dilution

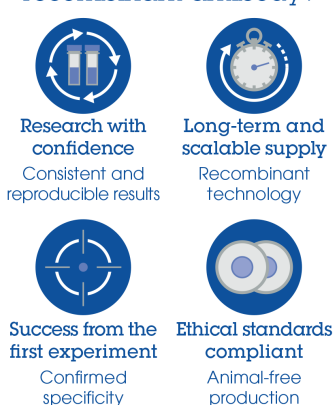
**Predicted band size:** 57 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 4 antibody [EPR1598] (ab92465)

Immunofluorescent staining of A431 cells, using ab92465 at a 1/100 dilution.

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-Cytokeratin 4 antibody [EPR1598] (ab92465)

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

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