

## Product datasheet

### HRP Anti-Cytokeratin 18 antibody [E431-1] ab194126

リコンビナント **RabMAb**

画像数 3

#### 製品の概要

製品名	HRP Anti-Cytokeratin 18 antibody [E431-1]
製品の詳細	HRP Rabbit monoclonal [E431-1] to Cytokeratin 18
由来種	Rabbit
標識	HRP
アプリケーション	<b>適用あり:</b> IHC-P, WB
種交差性	<b>交差種:</b> Human
免疫原	Full length native protein (purified) corresponding to Human Cytokeratin 18. Database link: <a href="#">P05783</a>
ポジティブ・コントロール	WB: A431 whole cell lysate. IHC-P: Human pancreatic cancer tissue.
特記事項	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> .

#### 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. Avoid freeze / thaw cycle. Store In the Dark.
バッファー	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: 30% Glycerol (glycerin, glycerine), 1% BSA, PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	E431-1
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ab194126の使用に適用されます

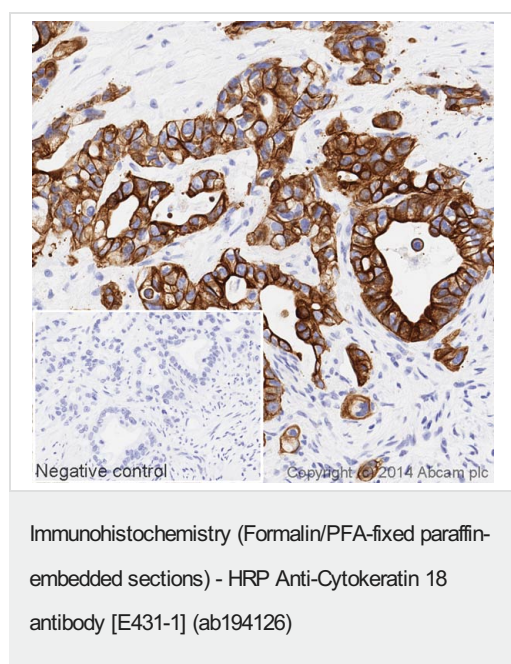
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/5000. Detects a band of approximately 48 kDa (predicted molecular weight: 48 kDa).

## ターゲット情報

機能	Involved in the uptake of thrombin-antithrombin complexes by hepatic cells (By similarity). When phosphorylated, plays a role in filament reorganization. Involved in the delivery of mutated CFTR to the plasma membrane. Together with KRT8, is involved in interleukin-6 (IL-6)-mediated barrier protection.
組織特異性	Expressed in colon, placenta, liver and very weakly in exocervix. Increased expression observed in lymph nodes of breast carcinoma.
関連疾患	Defects in KRT18 are a cause of cirrhosis (CIRRH) [MIM:215600].
配列類似性	Belongs to the intermediate filament family.
翻訳後修飾	Phosphorylation at Ser-34 increases during mitosis. Hyperphosphorylated at Ser-53 in diseased cirrhosis liver. Phosphorylation increases by IL-6. Proteolytically cleaved by caspases during epithelial cell apoptosis. Cleavage occurs at Asp-238 by either caspase-3, caspase-6 or caspase-7. O-glycosylated at multiple sites; glycans consist of single N-acetylglucosamine residues.
細胞内局在	Cytoplasm > perinuclear region.

## 画像

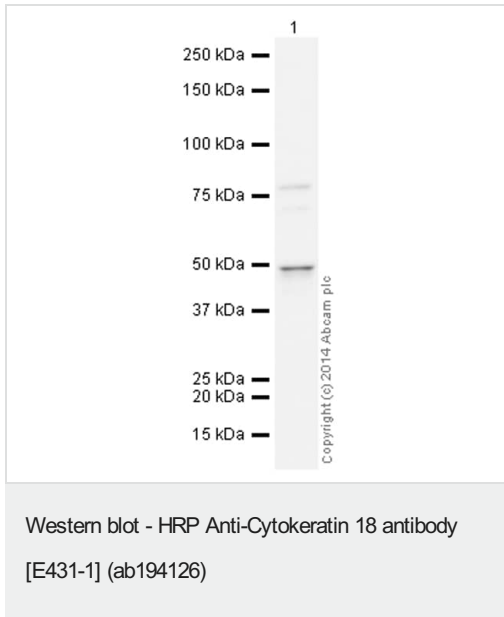


IHC image of Cytokeratin 18 staining in a section of formalin-fixed paraffin-embedded human pancreatic cancer tissue\*, performed on a Leica BOND. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab194126 at 1/100 dilution, for 15 mins at room temperature. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

\*Tissue obtained from the Human Research Tissue Bank,

supported by the NIHR Cambridge Biomedical Research Centre



HRP Anti-Cytokeratin 18 antibody [E431-1] (ab194126) at 1/5000 dilution + A431 (Human epithelial carcinoma cell line) whole cell lysate at 10 µg

Developed using the ECL technique.

Performed under reducing conditions.





**Predicted band size:** 48 kDa

**Observed band size:** 48 kDa

**Exposure time:** 3 minutes

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab194126 overnight at 4°C. Antibody binding was visualised using ECL development solution [\*\*ab133406\*\*](#).

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

HRP Anti-Cytokeratin 18 antibody [E431-1] (ab194126)

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

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