

### Anti-Aquaporin 5 antibody [EPR3747] ab92320

**重组** RabMAb

★★★★★ **7 Abreviews** **45 References** **3 图像**

#### 概述

产品名称	Anti-Aquaporin 5抗体[EPR3747]
描述	兔单克隆抗体[EPR3747] to Aquaporin 5
宿主	Rabbit
经测试应用	<b>适用于:</b> WB, IHC-P <b>不适用于:</b> Flow Cyt
种属反应性	<b>与反应:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> . 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> .

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR3747
同种型	IgG

#### 应用

## The Abpromise guarantee

**Abpromise™**承诺保证使用ab92320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
WB	★ ★ ★ ★ ★ (1)	1/1000 - 1/10000. Predicted molecular weight: 28 kDa.
IHC-P	★ ★ ★ ★ ★ (3)	1/1200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval is recommended before commencing with IHC staining protocol. The use of an HRP/AP polymerized secondary antibody is recommended as stronger signals have been found using these.  For unpurified use between 1/100 and 1/250

## 应用说明

Is unsuitable for Flow Cyt.

## 靶标

### 功能

Forms a water-specific channel. Implicated in the generation of saliva, tears, and pulmonary secretions. Required for TRPV4 activation by hypotonicity (PubMed:16571723). Together with TRPV4, controls regulatory volume decrease in salivary epithelial cells (PubMed:16571723).

### 疾病相关

Keratoderma, palmoplantar, Bothnian type

### 序列相似性

Belongs to the MIP/aquaporin (TC 1.A.8) family.

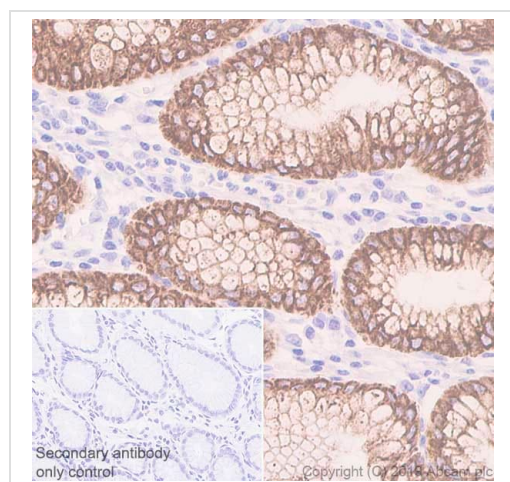
### 结构域

Aquaporins contain two tandem repeats each containing three membrane-spanning domains and a pore-forming loop with the signature motif Asn-Pro-Ala (NPA).

### 细胞定位

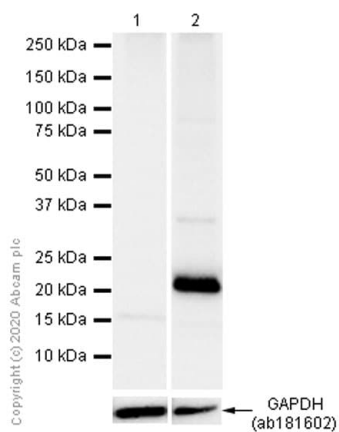
Apical cell membrane.

## 图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human stomach tissue sections labelling Aquaporin 5 with purified ab92320 at 1/1200 dilution (0.13 µg/ml). Heat mediated antigen retrieval was performed using Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1/0 dilution. PBS instead of the primary antibody was used as the negative control.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aquaporin 5 antibody [EPR3747] (ab92320)



Western blot - Anti-Aquaporin 5 antibody [EPR3747] (ab92320)

**All lanes :** Anti-Aquaporin 5 antibody [EPR3747] (ab92320) at 1/1000 dilution (Purified)

**Lane 1 :** SW480 (Human colorectal adenocarcinoma epithelial cell) prepared in RIPA lysis method whole cell lysate

**Lane 2 :** SW480 (Human colorectal adenocarcinoma epithelial cell) prepared in 1%SDS Hot lysis method whole cell lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

**Predicted band size:** 28 kDa

**Observed band size:** 24 kDa

1%SDS Hot lysis method is recommended for this antibody. The molecular weight observed is consistent with what has been described in the literatures (PMID: 32901888, 23313152).

#### 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-Aquaporin 5 antibody [EPR3747] (ab92320)

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

#### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery

- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors