

### Anti-Mucin 5AC antibody [CLH2] ab77576

[1 Abreviews](#) [6 References](#) [3 图像](#)

#### 概述

产品名称	Anti-Mucin 5AC抗体[CLH2]
描述	小鼠单克隆抗体[CLH2] to Mucin 5AC
宿主	Mouse
特异性	ab77576 is specific for the MUC5AC tandem repeat of human mucin. No cross reactivity with other peptides from MUC2, 3, 6 or 7 The antibody recognises glycosylated as well as unglycosylated MUC5AC.
经测试应用	适用于: IHC-Fr, Flow Cyt
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Native mucin extract from normal gastric mucosa and from gastric diffuse carcinoma.
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 17 May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</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>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.60</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituents: 1.45% Sodium chloride, 0.0536% PBS</p>
纯度	Tissue culture supernatant
纯化说明	Purified from TCS.

克隆	单克隆
克隆编号	CLH2
同种型	IgG1

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab77576于以下的经测试应用

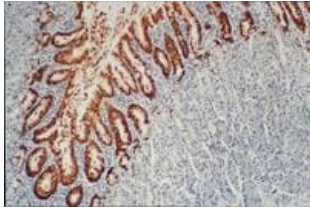
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

功能	Gel-forming glycoprotein of gastric and respiratoy tract epithelia that protects the mucosa from infection and chemical damage by binding to inhaled microorganisms and particles that are subsequently removed by the mucociliary system.
组织特异性	Highly expressed in surface mucosal cells of respiratory tract and stomach epithelia. Overexpressed in a number of carcinomas. Also expressed in Barrett's esophagus epithelium and in the proximal duodenum.
序列相似性	Contains 1 CTCK (C-terminal cystine knot-like) domain. Contains 3 TIL (trypsin inhibitory-like) domains. Contains 4 VWFC domains. Contains 4 VWFD domains.
结构域	The cysteine residues in the Cys-rich subdomain repeats are not involved in disulfide bonding.
翻译后修饰	C-, O- and N-glycosylated. O-glycosylated on the Thr-/Ser-rich tandem repeats. C-mannosylation in the Cys-rich subdomains may be required for proper folding of these regions and for export from the endoplasmic reticulum during biosynthesis. Proteolytic cleavage in the C-terminal is initiated early in the secretory pathway and does not involve a serine protease. The extent of cleavage is increased in the acidic parts of the secretory pathway. Cleavage generates a reactive group which could link the protein to a primary amide.
细胞定位	Secreted.

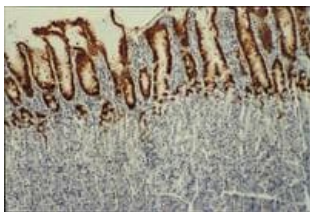
图片



Immunohistochemistry (Frozen sections) - Anti-Mucin 5AC antibody [CLH2] (ab77576)

ab77576 staining of foveolar epithelium of human gastric mucosa using IHC-Fr. Detection with a biotin-conjugated rabbit anti-mouse secondary, followed by avidin-biotin peroxidase complex. Colour Development by DAB. Hematoxylin counterstained.

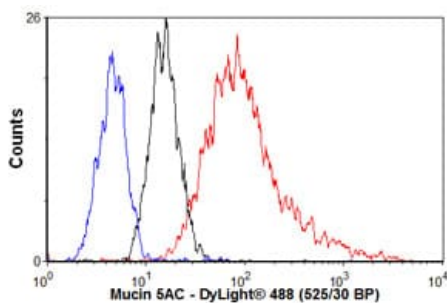
This image was generated using the ascites version of the product.



Immunohistochemistry (Frozen sections) - Anti-Mucin 5AC antibody [CLH2] (ab77576)

ab77576 staining of foveolar epithelium of human gastric mucosa by IHC-Fr. Detection with a biotin-conjugated rabbit anti-mouse secondary, followed by avidin-biotin peroxidase complex.

This image was generated using the ascites version of the product.



Flow Cytometry - Anti-Mucin 5AC antibody [CLH2] (ab77576)

Overlay histogram showing A549 cells stained with ab77576 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween 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 (ab77576, 1µg/1x10<sup>6</sup> cells) 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 IgG1 [ICIGG1] ([ab91353](#), 2µg/1x10<sup>6</sup> cells) used under the same conditions. Unlabelled sample (blue line). Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

This image was generated using the ascites version of the product.

**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