

# Anti-MUC2 antibody [SPM512] ab231427

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### 概述

产品名称	Anti-MUC2抗体[SPM512]
描述	小鼠单克隆抗体[SPM512] to MUC2
宿主	Mouse
经测试应用	适用于: IHC-P
种属反应性	与反应: Human
免疫原	Synthetic peptide corresponding to Human MUC2. Database link: <a href="#">Q02817</a>
阳性对照	IHC-P: Human small intestine, colon, colon adenocarcinoma, prostate adenocarcinoma and stomach adenocarcinoma tissues.
常规说明	<p><b>This product is FOR RESEARCH USE ONLY. For commercial use, please contact <a href="mailto:partnerships@abcam.com">partnerships@abcam.com</a>.</b></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). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
纯度	Protein A/G purified
纯化说明	Purified from TCS by protein A/G.
克隆	单克隆

克隆编号 SPM512  
同种型 IgG1

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab231427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-P		1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Primary antibody incubation for 30 minutes at room temperature.

## 靶标

**功能** Coats the epithelia of the intestines, airways, and other mucus membrane-containing organs. Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. Major constituent of both the inner and outer mucus layers of the colon and may play a role in excluding bacteria from the inner mucus layer.

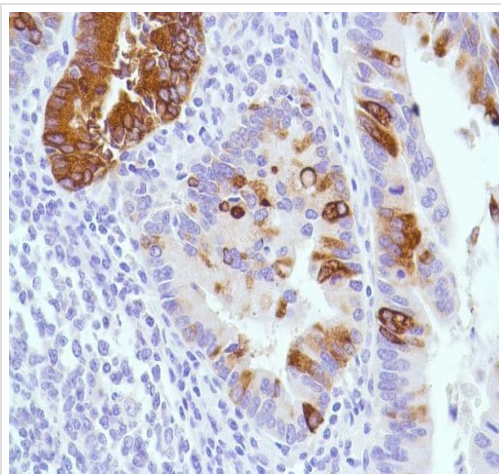
**组织特异性** Colon, small intestine, colonic tumors, bronchus, cervix and gall bladder.

**序列相似性** Contains 1 CTCK (C-terminal cystine knot-like) domain.  
Contains 1 TIL (trypsin inhibitory-like) domain.  
Contains 2 VWFC domains.  
Contains 4 VWFD domains.

**翻译后修饰** O-glycosylated.  
May undergo proteolytic cleavage in the outer mucus layer of the colon, contributing to the expanded volume and loose nature of this layer which allows for bacterial colonization in contrast to the inner mucus layer which is dense and devoid of bacteria.  
At low pH of 6 and under, undergoes autocatalytic cleavage in vitro in the N-terminal region of the fourth VWD domain. It is likely that this also occurs in vivo and is triggered by the low pH of the late secretory pathway.

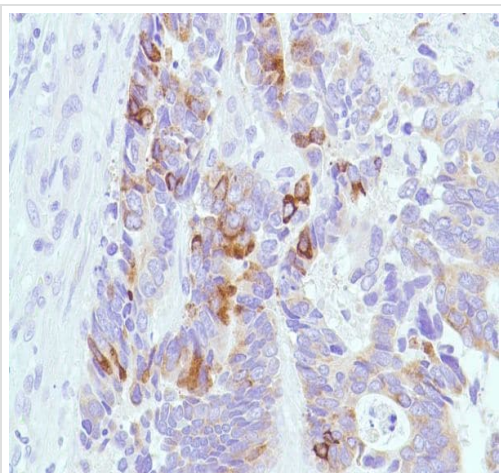
**细胞定位** Secreted. In the intestine, secreted into the inner and outer mucus layers.

## 图片



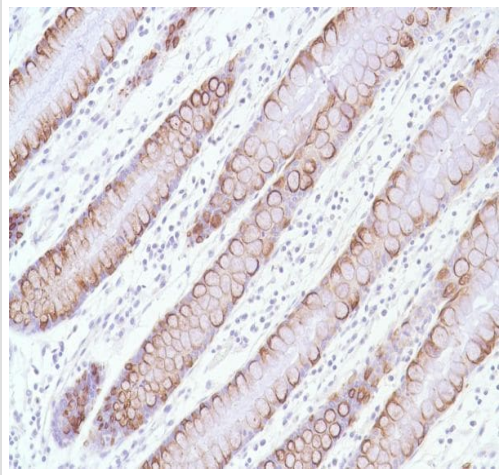
Formalin-fixed, paraffin-embedded human stomach adenocarcinoma tissue stained for MUC2 using ab231427 at 1/200 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC2 antibody [SPM512] (ab231427)



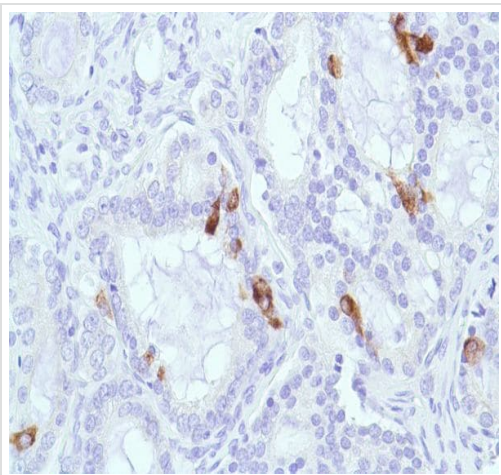
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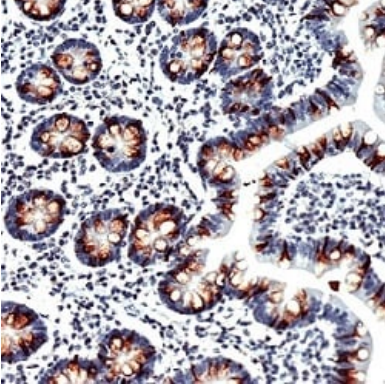
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Formalin-fixed, paraffin-embedded human colon tissue stained for MUC2 using ab231427 at 1/200 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC2 antibody [SPM512] (ab231427)

Formalin-fixed, paraffin-embedded human prostate adenocarcinoma tissue stained for MUC2 using ab231427 at 1/200 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC2 antibody [SPM512] (ab231427)

Formalin-fixed, paraffin-embedded human small intestine tissue stained for MUC2 using ab231427 at 1/200 dilution in immunohistochemical analysis.

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

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