

# Anti-MUC2 antibody [EPR6145] - Low endotoxin, Azide free ab177278

重组 RabMAb

10 图像

### 概述

产品名称	Anti-MUC2抗体[EPR6145] - Low endotoxin, Azide free
描述	兔单克隆抗体[EPR6145] to MUC2 - Low endotoxin, Azide free
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, Indirect ELISA
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	WB: Caco2, SKBR3, HT1376, SH SY5Y and SK OV3 cell lysates and human small intestine and colon lysates. IHC-P: Human colon tissue.
常规说明	<p>ab177278 is the carrier-free version of <a href="#">ab134119</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>Our <b>Low endotoxin, azide-free formats</b> have low endotoxin level (<math>\leq 1</math> EU/ml, determined by the LAL assay) and are free from azide, to achieve consistent experimental results in functional assays.</p>

### 性能

形式 Liquid

存放说明	Shipped at 4°C. Store at +4°C. Do Not Freeze.
存储溶液	Constituent: PBS
无载体	是
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR6145
同种型	IgG

## 应用

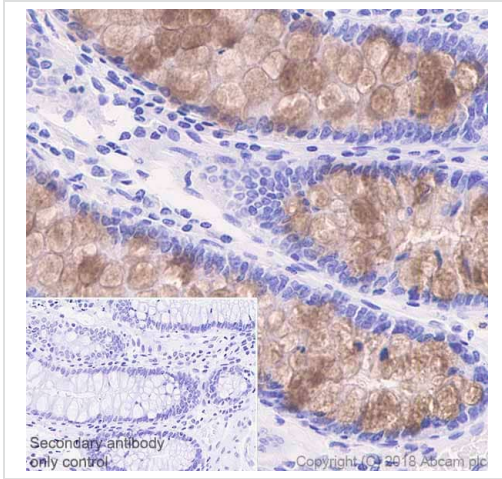
**The Abpromise guarantee**      **Abpromise™**承诺保证使用ab177278于以下的经测试应用

“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		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. See <b><u>IHC antigen retrieval protocols</u></b> .
WB		Use at an assay dependent concentration. Detects a band of approximately 110, 540 kDa (predicted molecular weight: 540 kDa).
Indirect ELISA		Use a concentration of 1 µg/ml.

## 靶标

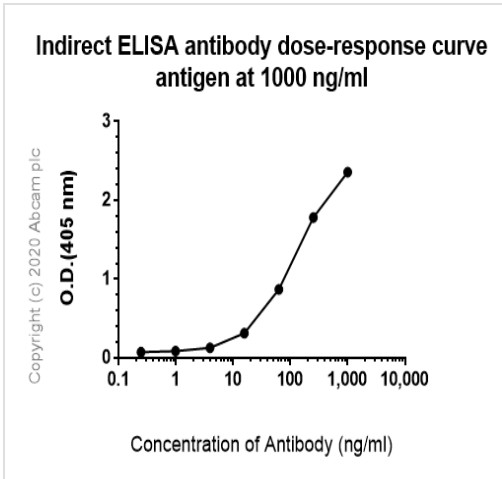
功能	Coats the epithelia of the intestines, airways, and other mucus membrane-containing organs. Thought to provide a protective, lubricating barrier against particles and infectious agents at mucosal surfaces. Major constituent of both the inner and outer mucus layers of the colon and may play a role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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC2 antibody [EPR6145] - Low endotoxin, Azide free (ab177278)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue sections labeling MUC2 with purified **ab134119** at 1/15,000 dilution (0.01 µg/ml). Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

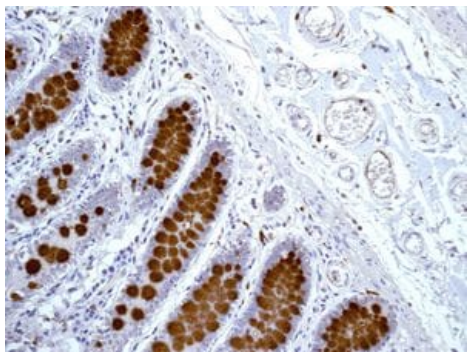
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134119**)



Indirect ELISA - Anti-MUC2 antibody [EPR6145] - Low endotoxin, Azide free (ab177278)

indirect ELISA using **ab134119** at varying antibody concentrations (1000-0 ng/ml) and MUC2 antigen at 1000 ng/ml. Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) at 1/2500 dilution was used as a secondary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134119**).

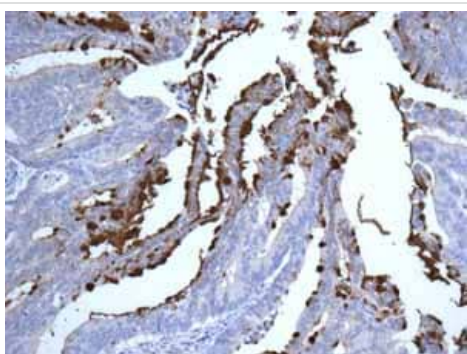


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC2 antibody [EPR6145] - Low endotoxin, Azide free (ab177278)

This IHC data was generated using the same anti-MUC2 antibody clone, EPR6145, in a different buffer formulation (cat# **ab134119**).

Immunohistochemical analysis of paraffin embedded Human colon tissue labelling MUC2 with **ab134119** at 1/250.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

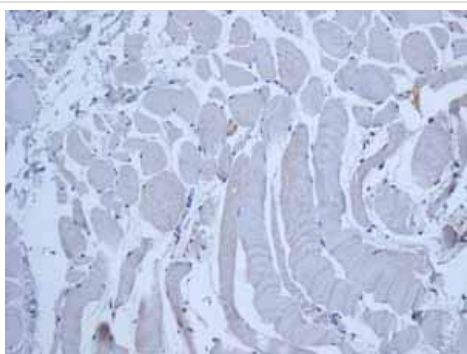


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC2 antibody [EPR6145] - Low endotoxin, Azide free (ab177278)

This IHC data was generated using the same anti-MUC2 antibody clone, EPR6145, in a different buffer formulation (cat# **ab134119**).

Immunohistochemical analysis of paraffin embedded Human Colonic adenocarcinoma tissue using **ab134119** showing +ve staining.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

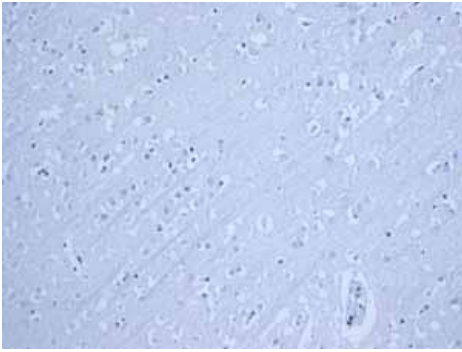


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC2 antibody [EPR6145] - Low endotoxin, Azide free (ab177278)

Immunohistochemical analysis of paraffin embedded Human Skeletal muscle tissue using **ab134119** showing -ve staining.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134119**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

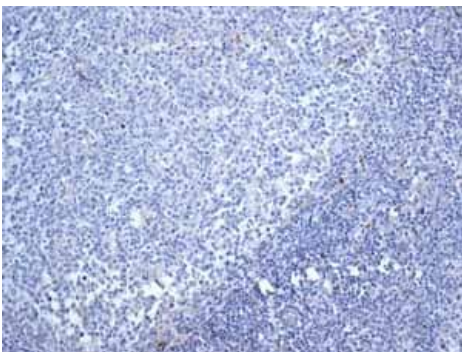


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC2 antibody [EPR6145] - Low endotoxin, Azide free (ab177278)

Immunohistochemical analysis of paraffin embedded normal Human brain tissue using **ab134119** showing -ve staining.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134119**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

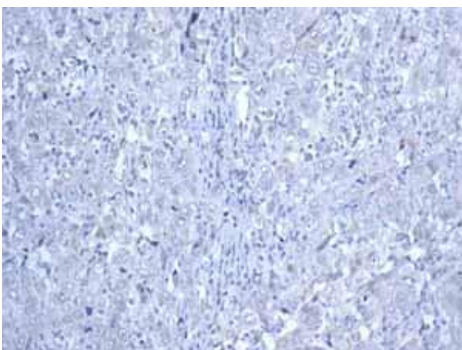


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC2 antibody [EPR6145] - Low endotoxin, Azide free (ab177278)

Immunohistochemical analysis of paraffin embedded normal Human tonsil tissue using **ab134119** showing -ve staining.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134119**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

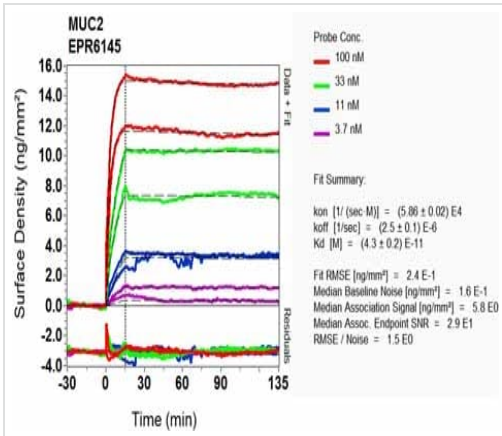


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MUC2 antibody [EPR6145] - Low endotoxin, Azide free (ab177278)

Immunohistochemical analysis of paraffin embedded Human Breast carcinoma tissue using **ab134119** showing -ve staining.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab134119**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



OI-RD Scanning - Anti-MUC2 antibody [EPR6145] -  
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Equilibrium disassociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab134119](#)).

### Why choose a recombinant antibody?

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

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

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