

### Anti-Anterior Gradient 2 antibody [EPR3278] ab76473

**重组** RabMAb

★★★★★ **2 Abreviews** **17 References** **7 图像**

#### 概述

产品名称	Anti-Anterior Gradient 2抗体[EPR3278]
描述	兔单克隆抗体[EPR3278] to Anterior Gradient 2
宿主	Rabbit
经测试应用	适用于: WB, IP, IHC-P, Flow Cyt (Intra), ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human Anterior Gradient 2 aa 1-100. The exact sequence is proprietary.
阳性对照	HT-29 and MCF-7 cell lysates. Human colon tissue. Human endometrium adenocarcinoma. ICC/IF: MCF7 cells Flow Cyt (intra): HT-29 cells IP: HT-29 whole cell lysate.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
纯度	Protein A purified

克隆	单克隆
克隆编号	EPR3278
同种型	IgG

## 应用

**The Abpromise guarantee**      **Abpromise™** 承诺保证使用 ab76473 于以下的经测试应用

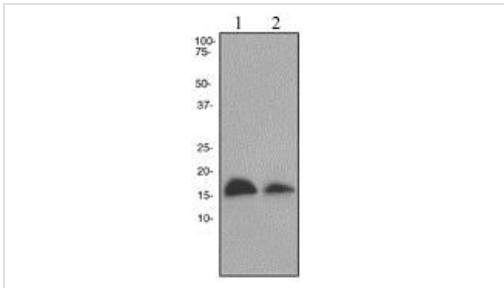
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/5000 - 1/10000. Predicted molecular weight: 20 kDa.
IP		1/20.
IHC-P	★★★★★ (1)	1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
Flow Cyt (Intra)		1/40. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/100.

## 靶标

<b>功能</b>	Required for MUC2 post-transcriptional synthesis and secretion. May play a role in the production of mucus by intestinal cells (By similarity). Proto-oncogene that may play a role in cell migration, cell differentiation and cell growth.
<b>组织特异性</b>	Expressed strongly in trachea, lung, stomach, colon, prostate and small intestine. Expressed weakly in pituitary gland, salivary gland, mammary gland, bladder, appendix, ovary, fetal lung, uterus, pancreas, kidney, fetal kidney, testis, placenta, thyroid gland and in estrogen receptor (ER)-positive breast cancer cell lines.
<b>序列相似性</b>	Belongs to the AGR family.
<b>细胞定位</b>	Secreted. Endoplasmic reticulum.

## 图片



Western blot - Anti-Anterior Gradient 2 antibody [EPR3278] (ab76473)

**All lanes** : Anti-Anterior Gradient 2 antibody [EPR3278] (ab76473) at 1/10000 dilution

**Lane 1** : HT-29 cell lysates

**Lane 2** : MCF-7 cell lysates

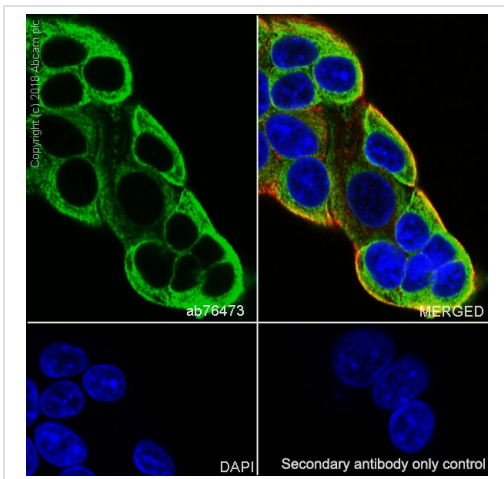
Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes** : HRP labelled goat anti-rabbit at 1/2000 dilution

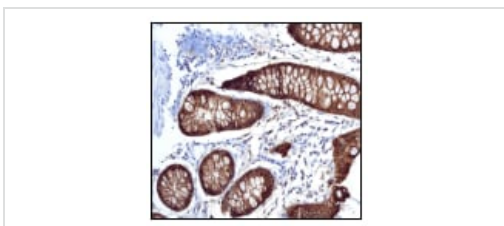
**Predicted band size:** 20 kDa

**Observed band size:** 17 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Anterior Gradient 2 antibody [EPR3278] (ab76473)

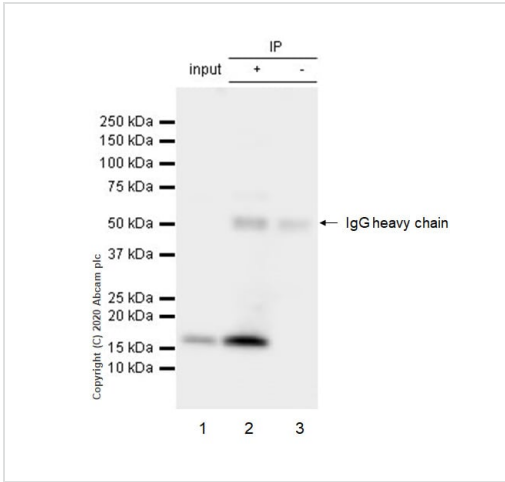
Immunocytochemistry/ Immunofluorescence analysis of MCF7 (human breast adenocarcinoma epithelial cell) cells labeling Anterior Gradient 2 with purified ab76473 at 1/100 dilution (3.5 µg/mL). Cells were fixed in 100% Methanol. Cells were counterstained with **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1/1000 (2 µg/mL) dilution. DAPI (blue) was used as nuclear counterstain. **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/mL) was used as the secondary antibody only control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Anterior Gradient 2 antibody [EPR3278] (ab76473)

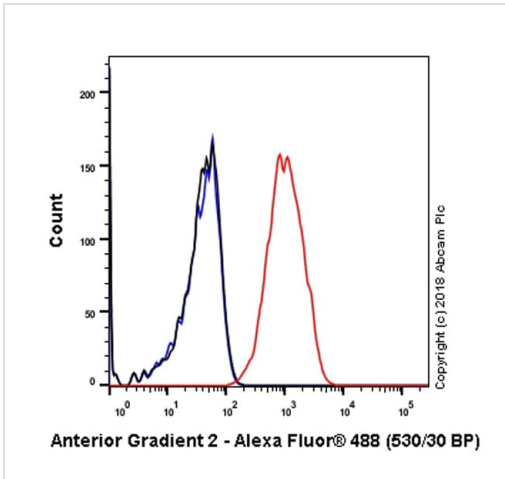
ab76473, at 1/500 dilution, staining Anterior Gradient 2 in paraffin-embedded human colon tissue by Immunohistochemistry.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



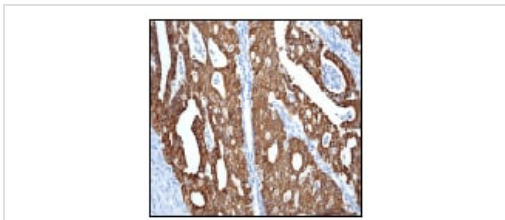
Immunoprecipitation - Anti-Anterior Gradient 2 antibody [EPR3278] (ab76473)

Purified ab76473 at 1/20 dilution (2µg) immunoprecipitating Anterior Gradient 2 in HT-29 whole cell lysate.  
 Lane 1 (input): HT-29 (Human colorectal adenocarcinoma epithelial cell) whole cell lysate 10µg  
 Lane 2 (+): ab76473 + HT-29 whole cell lysate.  
 Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab76473 in HT-29 whole cell lysate.  
 VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.  
 Blocking Buffer and concentration: 5% NFDm/TBST.  
 Diluting buffer and concentration: 5% NFDm/TBST.  
 Observed band size: 17 kDa



Flow Cytometry (Intracellular) - Anti-Anterior Gradient 2 antibody [EPR3278] (ab76473)

Intracellular Flow Cytometry analysis of HT-29 (Human colorectal adenocarcinoma epithelial cell) cells labeling Anterior Gradient 2 with purified ab76473 at 1/40 dilution (10 µg/mL) (Red). Cells were fixed with 4% Paraformaldehyde and permeabilised with 90% Methanol. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cells without incubation with primary antibody and secondary antibody (Blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Anterior Gradient 2 antibody [EPR3278] (ab76473)

ab76473, at 1/500 dilution, staining Anterior Gradient 2 in paraffin-embedded human endometrium adenocarcinoma by Immunohistochemistry.  
 Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

### 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-Anterior Gradient 2 antibody [EPR3278]  
(ab76473)

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

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