

# Anti-Periostin antibody [EPR19934] ab219056

重组 RabMAb

**2 References** 6 图像

### 概述

产品名称	Anti-Periostin抗体[EPR19934]
描述	兔单克隆抗体[EPR19934] to Periostin
宿主	Rabbit
特异性	This antibody recognizes a different epitope of Periostin compared to <a href="#">ab219057</a> .
经测试应用	适用于: WB, IHC-P, IP
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: Human fetal heart, fetal kidney and breast cancer lysates. IHC-P: Human colon and lung cancer tissues. IP: Human breast cancer 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>

### 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: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR19934

同种型

IgG

## 应用

The Abpromise guarantee

**Abpromise™**承诺保证使用ab219056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		1/1000. Detects a band of approximately 93 kDa (predicted molecular weight: 93 kDa).
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IP		1/30.

## 靶标

功能	Binds to heparin. Induces cell attachment and spreading and plays a role in cell adhesion. May play a role in extracellular matrix mineralization.
组织特异性	Widely expressed with highest levels in aorta, stomach, lower gastrointestinal tract, placenta, uterus and breast. Up-regulated in epithelial ovarian tumors. Not expressed in normal ovaries. Also highly expressed at the tumor periphery of lung carcinoma tissue but not within the tumor. Overexpressed in breast cancers.
序列相似性	Contains 1 EMI domain. Contains 4 FAS1 domains.
翻译后修饰	Gamma-carboxyglutamate residues are formed by vitamin K dependent carboxylation. These residues are essential for the binding of calcium.
细胞定位	Secreted > extracellular space > extracellular matrix.

## 图片



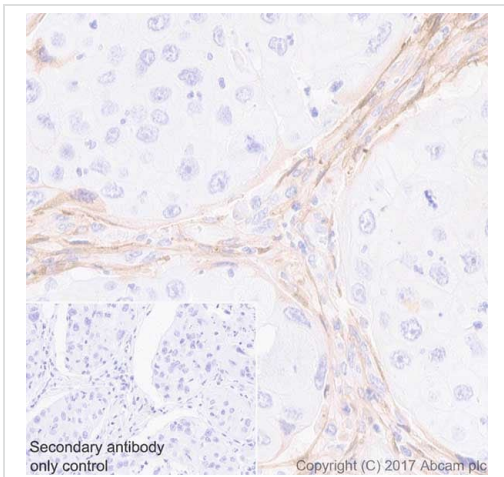
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Periostin antibody [EPR19934] (ab219056)

Immunohistochemical analysis of paraffin-embedded human colon tissue labeling Periostin with ab219056 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Extracellular matrix staining on human colon (PMID: 26023718).

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



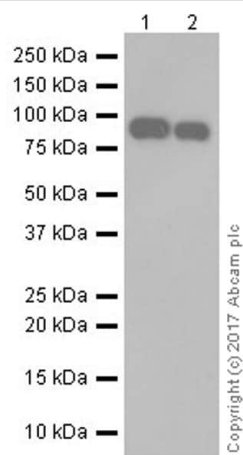
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Periostin antibody [EPR19934] (ab219056)

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue labeling Periostin with ab219056 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Extracellular matrix staining on human lung cancer (PMID: 24273600).

Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-Periostin antibody [EPR19934]  
(ab219056)

**All lanes :** Anti-Periostin antibody [EPR19934] (ab219056) at 1/1000 dilution

**Lane 1 :** Human fetal heart tissue lysate

**Lane 2 :** Human fetal kidney tissue lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

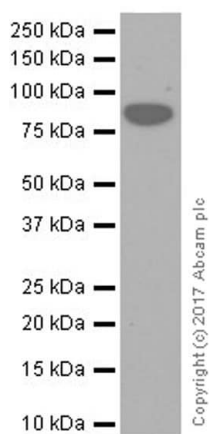
**All lanes :** Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution

**Predicted band size:** 93 kDa

**Observed band size:** 93 kDa

**Exposure time:** 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Periostin antibody [EPR19934]  
(ab219056)

Anti-Periostin antibody [EPR19934] (ab219056) at 1/1000 dilution + Human breast cancer lysate at 10 µg

**Secondary**

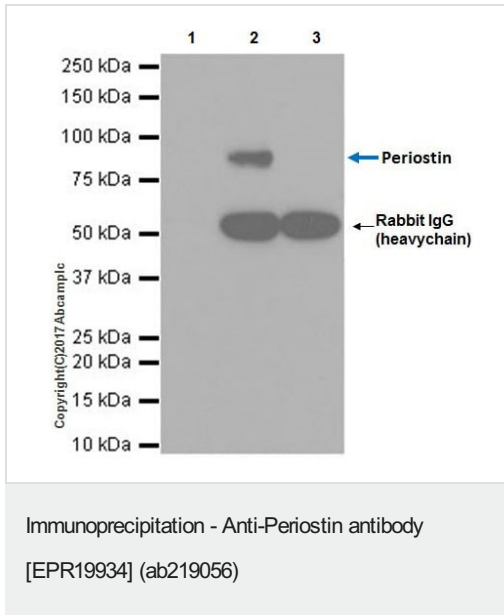
Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/50000 dilution

**Predicted band size:** 93 kDa

**Observed band size:** 93 kDa

**Exposure time:** 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Periostin was immunoprecipitated from 0.35 mg of Human breast cancer lysate with ab219056 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab219056 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10000 dilution.

Lane 1: Human breast cancer lysate 10 µg (Input).

Lane 2: ab219056 IP in Human breast cancer lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab219056 in Human breast cancer lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 30 seconds.

Why choose a recombinant antibody?

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

Anti-Periostin antibody [EPR19934] (ab219056)

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

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