

Anti-Periostin antibody ab14041

★★★★★ [20 Abreviews](#) [193 References](#) [4 图像](#)

概述

产品名称	Anti-Periostin抗体
描述	兔多克隆抗体to Periostin
宿主	Rabbit
经测试应用	适用于: ELISA, ICC/IF, IHC-Fr, IHC-P
种属反应性	与反应: Mouse, Rat, Chicken, Human
免疫原	Recombinant fragment (His-tag) corresponding to Human Periostin (N terminal).
阳性对照	IHC-P: Human colon and normal skin tissues; Prostate cancer tissues. ICC/IF: HeLa cells.
常规说明	<p>Lots # GR310924-1, GR296166-4, and GR296166-5 are sold in lyophilized form. To reconstitute, add 100 µL of deionized water and let the lyophilized antibody dissolve completely. The resulting concentration is 0.5 mg/mL. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.</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&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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	Constituents: PBS, 0.58% Sodium chloride
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用 ab14041 于以下的经测试应用

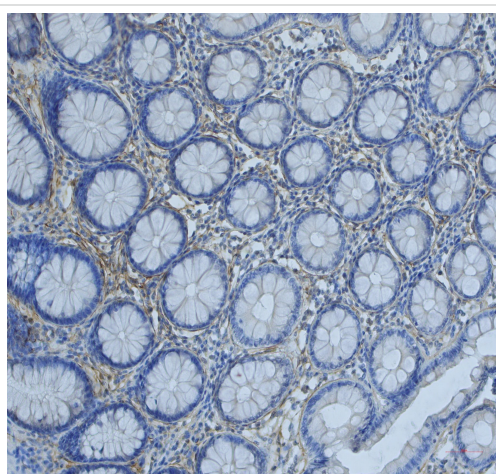
“应用说明”部分 下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab 评论	说明
ELISA		Use at an assay dependent concentration.
ICC/IF	★★★★★ (3)	Use at an assay dependent concentration.
IHC-Fr	★★★★★ (6)	Use at an assay dependent concentration. PubMed: 19079190
IHC-P	★★★★★ (8)	1/100 - 1/1000.

靶标

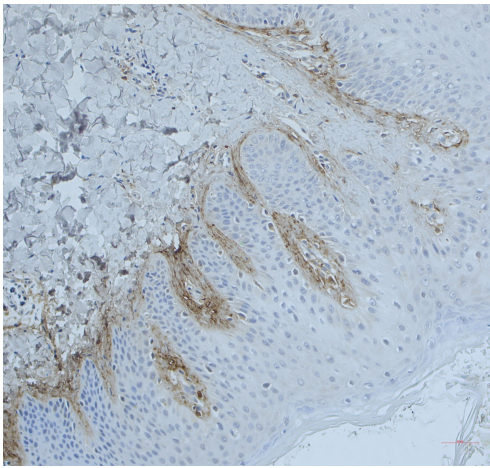
功能	Binds to heparin. Induces cell attachment and spreading and plays a role in cell adhesion. May play a role in extracellular matrix mineralization.
组织特异性	Widely expressed with highest levels in aorta, stomach, lower gastrointestinal tract, placenta, uterus and breast. Up-regulated in epithelial ovarian 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



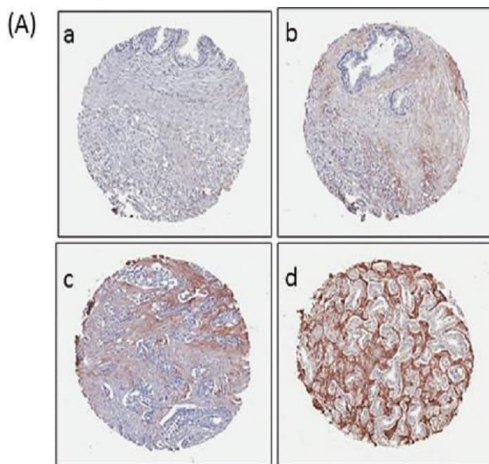
Immunohistochemistry analysis of formalin-fixed paraffin-embedded human colon tissue section labeling Periostin with ab14041.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Periostin antibody (ab14041)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Periostin antibody (ab14041)

Immunohistochemistry analysis of formalin-fixed paraffin-embedded human normal skin tissue section labeling Periostin with ab14041.

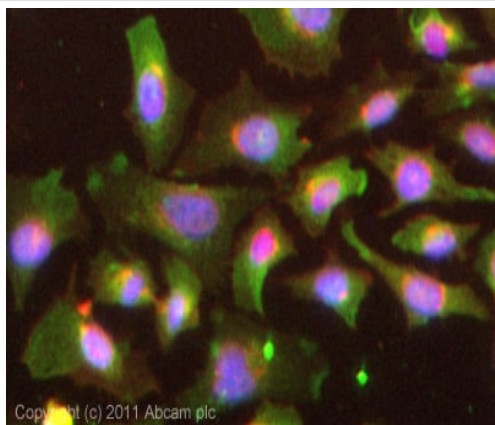


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Periostin antibody (ab14041)

The periostin staining in prostate cancer and paired non-tumorous prostate tissues (TMA from JHU, 140 cases).

(A) The pathologists' criteria for IHC scoring. (a) 0, undetectable; (b) 1+, weak staining; (c) 2+, medium staining; (d) 3+, strong staining. Periostin was mainly stained in peritumoral stroma.

Tian et al. PLoS One. 2015 Mar 17;10(3):e0121502. doi: 10.1371/journal.pone.0121502. eCollection 2015. Fig 1. Reproduced under the Creative Commons license <http://creativecommons.org/licenses/by/4.0/>



Immunocytochemistry/ Immunofluorescence - Anti-
Periostin antibody (ab14041)

ICC/IF image of ab14041 stained HeLa (Human epithelial cell line from cervix adenocarcinoma) cells.

The cells were fixed in 100% methanol (5 min) and then incubated in 1% BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilize the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab14041, 1/1000 dilution) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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