


Product datasheet

Anti-Periostin antibody ab92460

10 References 3 Images

Overview

| | |
|----------------------------|--|
| Product name | Anti-Periostin antibody |
| Description | Rabbit polyclonal to Periostin |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P, ICC/IF |
| Species reactivity | Reacts with: Mouse, Rat, Chicken, Human Predicted to work with: Bird, Fish, Mammal, Amphibian  |
| Immunogen | Synthetic peptide from the fasciclin domain 1 of mouse periostin. |
| Positive control | Rat lung lysate and mouse lung extract |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| Storage buffer | Preservative: None Constituents: PBS |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab92460** in the following tested applications.

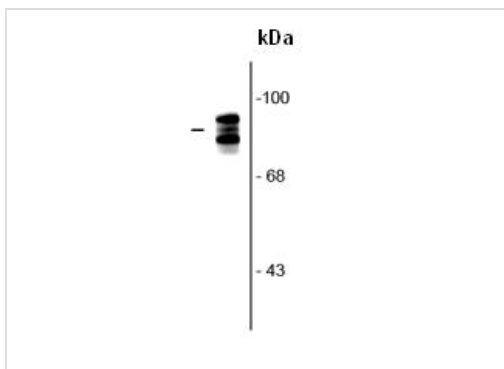
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | 1/1000. Predicted molecular weight: 93 kDa. |
| IHC-P | | 1/200. |
| ICC/IF | | Use a concentration of 5 µg/ml. |

Target

| | |
|---|---|
| Function | Binds to heparin. Induces cell attachment and spreading and plays a role in cell adhesion. May play a role in extracellular matrix mineralization. |
| Tissue specificity | 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. |
| Sequence similarities | Contains 1 EMI domain. Contains 4 FAS1 domains. |
| Post-translational modifications | Gamma-carboxyglutamate residues are formed by vitamin K dependent carboxylation. These residues are essential for the binding of calcium. |
| Cellular localization | Secreted > extracellular space > extracellular matrix. |

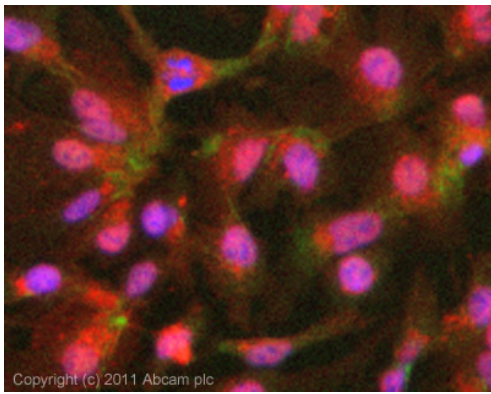
Images



Anti-Periostin antibody (ab92460) at 1/1000 dilution + rat lung lysate

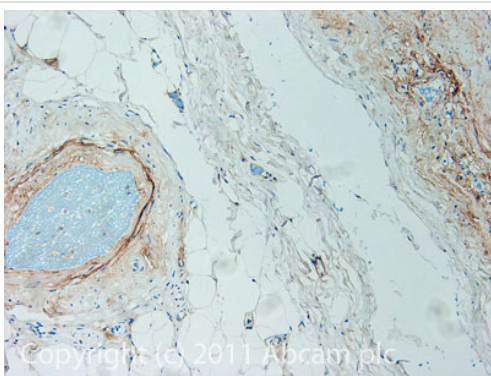
Predicted band size: 93 kDa

Western blot - Anti-Periostin antibody (ab92460)



Immunocytochemistry/ Immunofluorescence - Anti-Periostin antibody (ab92460)

ICC/IF image of ab92460 stained HepG2 cells. The cells were 4% PFA fixed (10mins) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab92460, 5µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96899](#) Dylight 488 goat anti-rabbit IgG (H+L) used at a 1/250 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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Periostin antibody (ab92460)

IHC image of ab92460 staining in Hu Aorta formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab92460, 1/200 dilution, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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