




## Product datasheet

# Anti-Periostin antibody ab231130

4 Images

### Overview

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<b>Product name</b>	Anti-Periostin antibody
<b>Description</b>	Rabbit polyclonal to Periostin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Rat <b>Predicted to work with:</b> Mouse, Human 
<b>Immunogen</b>	Recombinant fragment (His-tag) corresponding to Rat Periostin aa 1-200. N-terminal tag. Expressed in E.coli. Database link: <a href="#">D3ZAF5</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	WB: Recombinant rat Periostin protein; Rat lung lysate and serum. IHC-P: Rat liver tissue.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 44.12% PBS, 55.77% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab231130 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		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 93 kDa.
IHC-P		Use a concentration of 5 - 20 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.

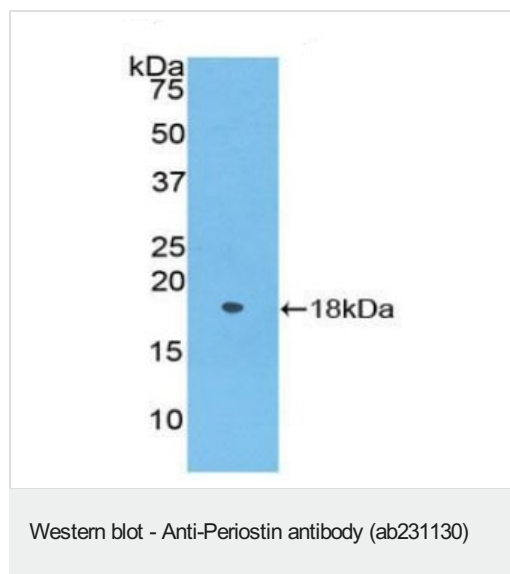
**Tissue specificity** Widely expressed with highest levels in aorta, stomach, lower gastrointestinal tract, placenta, uterus and breast. Up-regulated in epithelial ovarian tumors. Not expressed in normal ovaries. Also highly expressed at the tumor periphery of lung carcinoma tissue but not within the 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.

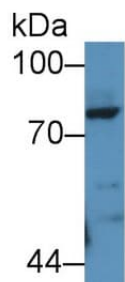
## Images



Anti-Periostin antibody (ab231130) at 2 µg/ml + Recombinant rat Periostin protein.

Developed using the ECL technique.

**Predicted band size:** 93 kDa

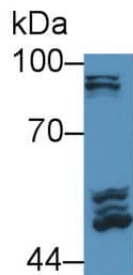


Western blot - Anti-Periostin antibody (ab231130)

Anti-Periostin antibody (ab231130) at 2  $\mu$ g/ml + Rat lung tissue lysate.

Developed using the ECL technique.

**Predicted band size:** 93 kDa

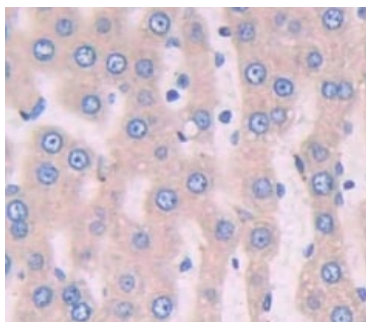


Western blot - Anti-Periostin antibody (ab231130)

Anti-Periostin antibody (ab231130) at 2  $\mu$ g/ml + Rat serum.

Developed using the ECL technique.

**Predicted band size:** 93 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Periostin antibody (ab231130)

Formalin-fixed, paraffin-embedded rat liver tissue stained for Periostin using ab231130 at 20  $\mu$ g/ml in immunohistochemical analysis.

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