


# Anti-PDGF B antibody ab23914

★★★★★ [12 Abreviews](#) [48 References](#) [6 Images](#)

### Overview

<b>Product name</b>	Anti-PDGF B antibody
<b>Description</b>	Rabbit polyclonal to PDGF B
<b>Host species</b>	Rabbit
<b>Specificity</b>	<p>This antibody has been tested against PDGF B protein (<a href="#">ab9706</a>) and has yet to be tested against endogenous protein.</p> <p>Replenishment batches of our polyclonal antibody, ab23914 are tested in WB. Previous batches were additionally validated in IHC-Fr and IHC-P. These applications are still expected to work and are covered by our Abpromise guarantee. You may also be interested in our alternative recombinant antibody, <a href="#">ab178409</a>.</p>
<b>Tested applications</b>	<b>Suitable for:</b> IHC-Fr, WB, IHC-P
<b>Species reactivity</b>	<p><b>Reacts with:</b> Mouse, Human, Recombinant fragment</p> <p><b>Predicted to work with:</b> Rat, Cow </p>
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<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

<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 or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 1% BSA</p> <p>Batches of this product that have a concentration &lt; 1mg/ml may have BSA added as a stabilising</p>

agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

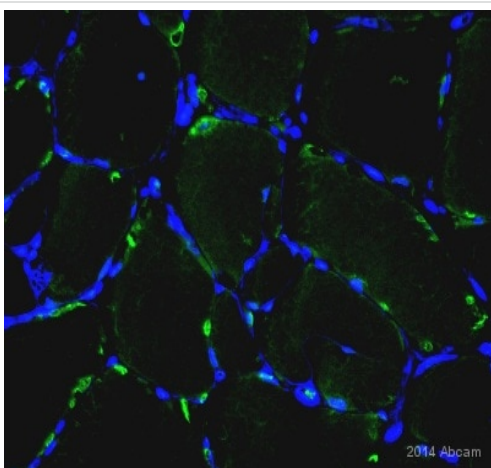
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab23914 in the following tested applications.

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

Application	Abreviews	Notes
IHC-Fr	★★★★★ (1)	Use at an assay dependent concentration.
WB	★★★★★ (5)	Use a concentration of 1 µg/ml. Detects a band of approximately 14 kDa (predicted molecular weight: 14-18 kDa). The predicted molecular weight of PDGF B is ~ 27 kDa according to the Swissprot entry P01127, however the reduced form of PDGF B runs between 14-18 kDa on a gel.
IHC-P	★★★★★ (5)	Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

## Target

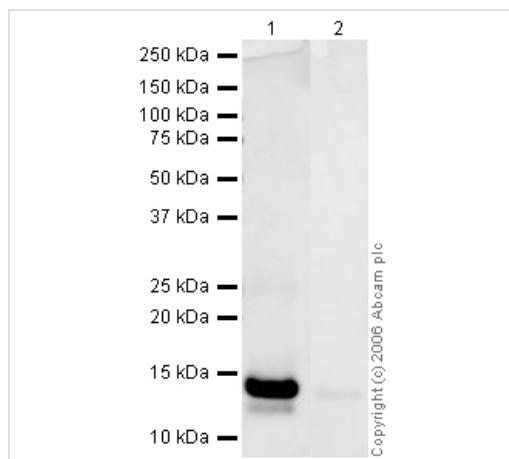
## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDGF B antibody (ab23914)

This image is courtesy of an Abreview submitted by Lauren Carpenter

ab23914 staining PDGF B (green) in mouse skeletal muscle tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 10% serum for 10 minutes at 25°C; antigen retrieval was by heat mediation in Tris pH 9. Samples were incubated with primary antibody (1/500 in antibody diluent reagent) for 14 hours at 4°C. An Alexa Fluor® 647-conjugated goat anti-rabbit IgG polyclonal (1/200) was used as the secondary antibody. DAPI (blue) - nuclei.



Western blot - Anti-PDGF B antibody (ab23914)

**All lanes :** Anti-PDGF B antibody (ab23914) at 1 µg/ml

**Lane 1 :** Recombinant human PDGF B protein (**ab9706**)

**Lane 2 :** Recombinant human PDGF B protein (**ab9706**) with Human PDGF B peptide (**ab24035**) at 1 µg

Lysates/proteins at 0.01 µg per lane.

### Secondary

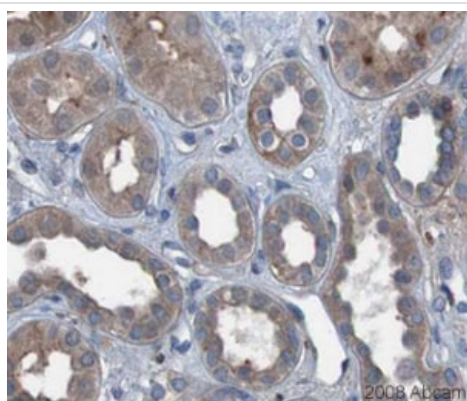
**All lanes :** Goat polyclonal to Rabbit IgG (Alexa Fluor® 680) at 1/10000 dilution

Performed under reducing conditions.

**Predicted band size:** 14-18 kDa

**Observed band size:** 14 kDa

ab23914 detects a band of ~ 14 kDa corresponding to the reduced form of recombinant PDGF B (**ab9706**). The predicted molecular weight for PDGF B is 27 kDa according to the Swissprot entry, however the reduced form is known to run at between 14-18 kDa. The 14 kDa band is specifically blocked by the addition of the immunizing peptide, ab 24035.

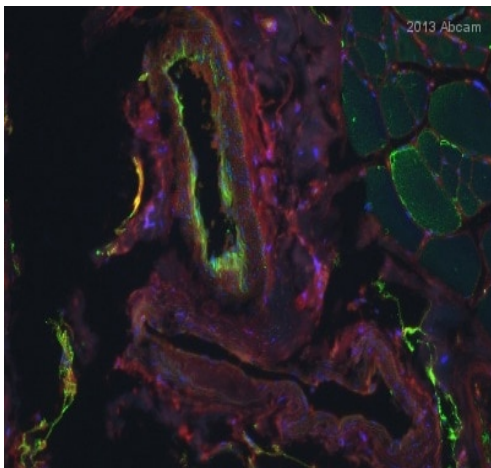


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDGF B antibody (ab23914)

Image courtesy of Human Protein Atlas

Image courtesy of **Human Protein Atlas**.

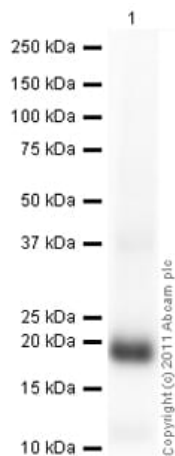
ab23914 staining PDGF B in Human kidney (male). The paraffin embedded tissue was incubated with ab23914 (1/500 dilution) for 30 mins at room temperature. Antigen retrieval was performed by heat induction in citrate buffer pH 6. ab23914 was tested in a tissue microarray (TMA) containing a wide range of normal and cancer tissues.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDGF B antibody (ab23914)

This image is courtesy of an anonymous Abreview

ab23914 staining PDGF B (green) in Mouse skeletal muscle (gastrocnemius) tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with methacarn and blocked with 10% serum for 10 minutes at 25°C; antigen retrieval was by heat mediation in Tris pH 8. Samples were incubated with primary antibody (1/250 in antibody diluent reagent) for 14 hours at 4°C. An Alexa Fluor® 488-conjugated Goat anti-rabbit IgG polyclonal (1/200) was used as the secondary antibody. Red - WGA membranes, Blue - DAPI Nuclei.



Western blot - Anti-PDGF B antibody (ab23914)

Anti-PDGF B antibody (ab23914) at 1 µg/ml + Recombinant Human PDGF B protein ([ab73231](#)) at 0.01 µg

### Secondary

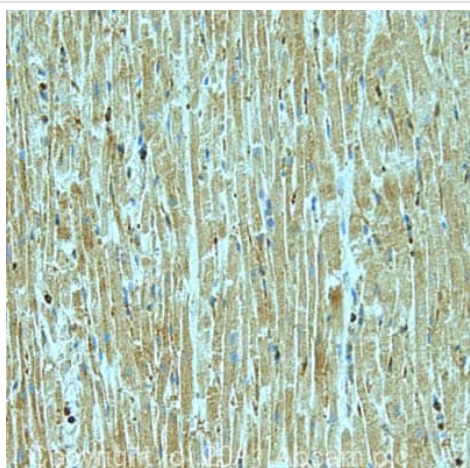
Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 14-18 kDa

**Exposure time:** 1 minute



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDGF B antibody (ab23914)

IHC image of PDGF B staining in human heart 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 ab23914, 5µg/ml, 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.

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