Anti-PDGF B antibody ab9704

Overview

Product name: Anti-PDGF B antibody
Description: Rabbit polyclonal to PDGF BB
Host species: Rabbit
Tested applications:
Suitable for: WB, ELISA, Neutralising, Sandwich ELISA, IHC-P
Species reactivity:
Reacts with: Human
Immunogen:
Highly pure (>98%) recombinant hPDGF-BB (human Platelet Derived Growth Factor)
Positive control:
Recombinant human PDGF B protein (ab9706) can be used as a positive control in WB.

Properties

Form:
Lyophilised: Reconstitute with 200µl of sterile water. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary.

Storage instructions:

Storage buffer:
pH: 7.40
No preservative, sterile filtered

Purity:
Immunogen affinity purified

Clonality:
Polyclonal

Isotype:
unknown

Light chain type:
unknown

Applications

Our Abpromise guarantee covers the use of ab9704 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDGF BB antibody (ab9704)

**Notes**

- **WB**
  - Use at an assay dependent concentration. To detect hPDGF-BB by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hPDGF-BB is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

- **ELISA**
  - Use at an assay dependent concentration. To detect hPDGF-BB by direct ELISA (using 100µl/well antibody solution) a concentration of at least 0.5µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hPDGF-BB.

- **Neutralising**
  - Use at an assay dependent concentration. To yield one-half maximal inhibition [ND50] of the biological activity of hPDGF-BB (2.5 ng/ml), a concentration of 0.03 - 0.04 µg/ml of this antibody is required.

- **Sandwich ELISA**
  - Use at an assay dependent concentration. To be used with ab84265 as detection antibody and ab9706 as protein standard.

- **IHC-P**
  - Use a concentration of 1 µg/ml.

**Images**

- **Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDGF BB antibody (ab9704)**

ab9704 staining PDGF BB in normal human skin tissue section by Immunohistochemistry (Formalin/PFA fixed paraffin-embedded sections). Tissue underwent proteinase K mediated antigen retrieval. The primary antibody was used at 1 ug/ml and incubated with sample at 4°C overnight. A HRP-labeled polymer detection system was used with a non-alcohol soluble AEC chromogen.
Anti-PDGF B antibody (ab9704) at 0.2 µg/ml + A431 (Human)
Whole Cell Lysate (ab52255) at 10 µg

Secondary
Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

**Observed band size:** 18.29 kDa

**why is the actual band size different from the predicted?**

**Additional bands at:** 45 kDa (possible dimer)

The 29kDa form is the propeptide.

---

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

---

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.com/abpromise](https://www.abcam.com/abpromise) or contact our technical team.

---

**Terms and conditions**

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors