abcam

Product datasheet

Anti-PDGFR alpha + PDGFR beta antibody [Y92] - BSA and Azide free ab271835

KO 評価済 リコンビナント RabMAb

画像数 10

製品の概要

製品名	Anti-PDGFR alpha + PDGFR beta antibody [Y92] - BSA and Azide free
製品の詳細	Rabbit monoclonal [Y92] to PDGFR alpha + PDGFR beta - BSA and Azide free
由来種	Rabbit
特異性	Expression levels of the target protein vary with sample type and some optimisation may be required.
アプリケーション	**適用あり:** WB, IP, Flow Cyt (Intra), IHC-FoFr, IHC-P, ICC/IF, ELISA
種交差性	**交差種:** Mouse, Human **交差が予測される動物種:** Rat
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-P: Human lung cancer, breast and spleen tissue. Flow Cyt (intra): NIH/3T3 cells. IP: NIH/3T3 cell lysate. WB: WB: N-GST tagged Human PDGF Receptor beta (aa557 to 1106) recombinant protein, N-GST tagged Human PDGF Receptor alpha (aa550 to 1089) recombinant protein, SH-SY5Y cell lysate and Human skeletal muscle tissue lysate.
特記事項	ab271835 is the carrier-free version of **ab32570**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity

- Long-term security of supply
- Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.20 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	Y92
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab271835の使用に適用されます**

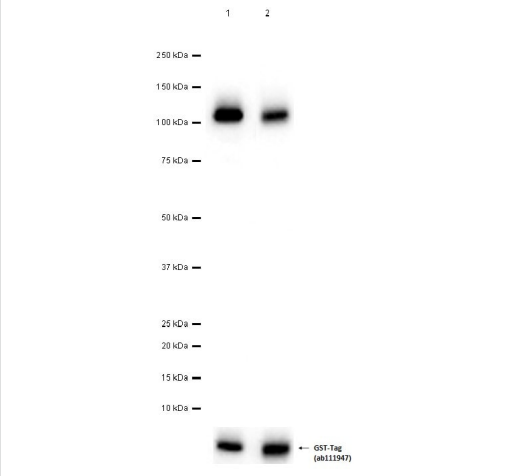
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 123 kDa. For samples expressing low levels of PDGFR beta, the amount of lysate loaded may need to be increased to allow detection.
IP		Use at an assay dependent concentration.
Flow Cyt (Intra)		Use at an assay dependent concentration.
IHC-FoFr		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. See IHC antigen retrieval protocols.Optimisation of the IHC protocol may be required depending on the sample used.
ICC/IF		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.

ターゲット情報

細胞内局在 PDGFR alpha: Membrane. PDGFR beta: Membrane.

画像



Western blot - Anti-PDGFR alpha + PDGFR beta antibody [Y92] - BSA and Azide free (ab271835)

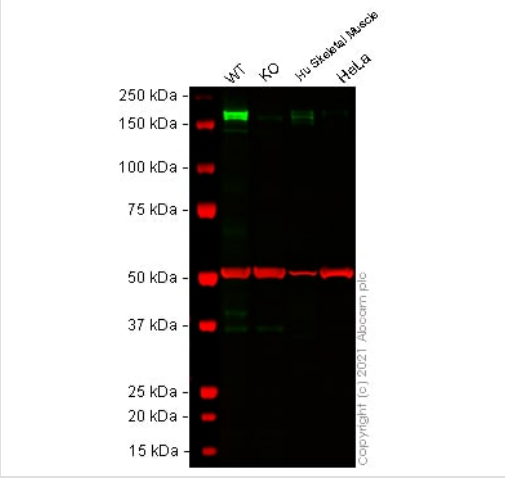
All lanes : Anti-PDGFR alpha + PDGFR beta antibody [Y92] - C-terminal (**ab32570**) at 1/1000 dilution

Lane 1 : Recombinant human PDGFR beta protein (**ab60833**)
Lane 2 : Recombinant human PDGFR alpha protein (**ab84797**)

Lysates/proteins at 0.1 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 123 kDa



Western blot - Anti-PDGFR alpha + PDGFR beta antibody [Y92] - BSA and Azide free (ab271835)

All lanes : Anti-PDGFR alpha + PDGFR beta antibody [Y92] - C-terminal (**ab32570**) at 1/5000 dilution

Lane 1 : Wild-type SH-SY5Y cell lysate
Lane 2 : PDGFR beta knockout SH-SY5Y cell lysate
Lane 3 : Human Skeletal Muscle tissue lysate
Lane 4 : HeLa cell lysate

Lysates/proteins at 30 µg per lane.

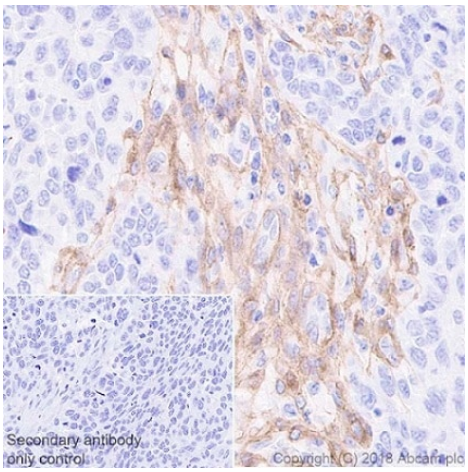
Performed under reducing conditions.

Predicted band size: 123 kDa
Observed band size: 170 kDa

This data was developed using the same antibody clone in a different buffer formulation (**ab32570**).

Lanes 1 - 4: Merged signal (red and green). Green - **ab32570** observed at 170 kDa. Red - loading control **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) observed at 55 kDa.

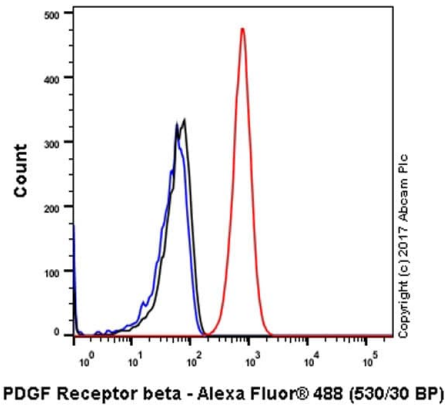
ab32570 was shown to react with PDGFRB in wild-type SH-SY5Y cells in Western blot with loss of signal observed in PDGFRB knockout cell line **ab273749** (knockout cell lysate **ab275523**). Wild-type SH-SY5Y and PDGFRB knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in fluorescent western blot (TBS-based) blocking solution before incubation with **ab32570** and **ab7291** (Mouse anti-Alpha Tubulin [DM1A]) overnight at 4 °C at a 1 in 5000 dilution and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 h at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDGFR alpha + PDGFR beta antibody [Y92] - BSA and Azide free (ab271835)

ab32570 staining PDGFR alpha + beta in human lung cancer tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Shows positive staining on stromal cells. Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Samples were incubated with primary antibody (1/500). An HRP-conjugated Goat anti-rabbit IgG (ready to use) was used as the secondary antibody. Counter stained with Hematoxylin.

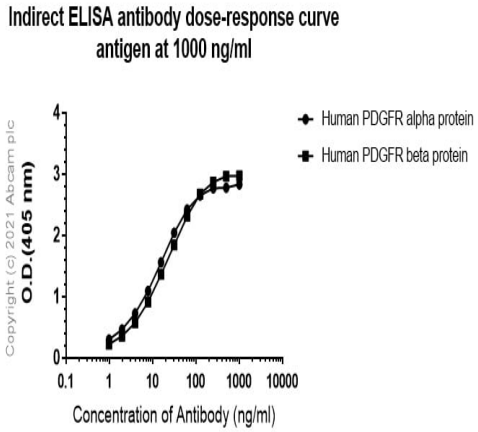
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32570**).



Flow Cytometry (Intracellular) - Anti-PDGFR alpha + PDGFR beta antibody [Y92] - BSA and Azide free (ab271835)

Intracellular Flow Cytometry analysis of NIH/3T3 (Mouse embryo fibroblast cell line) cells labeling PDGFR alpha + beta (red) with **ab32570** at a 1/20 dilution. Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (**ab172730**). Blue (unlabeled control) - Cells without incubation with primary and secondary antibodies.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32570**).



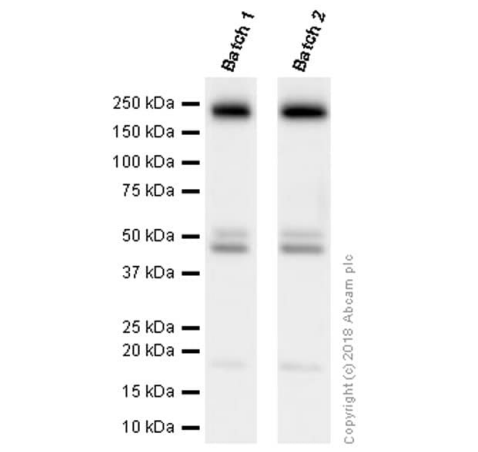
ELISA - Anti-PDGFR alpha + PDGFR beta antibody [Y92] - BSA and Azide free (ab271835)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32570**).

ELISA showing primary antibody **ab32570** binding to the antigen Human PDGFR alpha protein and Human PDGFR beta protein.

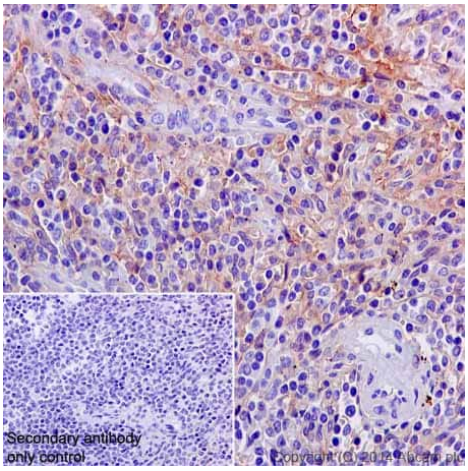
Primary antibody concentration ranges from 0 - 1000 ng/mL.

Alkaline Phosphatase-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) was used as a secondary antibody at 1/2500 dilution.



Western blot - Anti-PDGFR alpha + PDGFR beta antibody [Y92] - BSA and Azide free (ab271835)

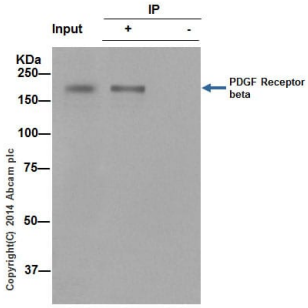
This data was developed using **ab32570**, the same antibody clone in a different buffer formulation. Different batches of **ab32570** were tested on Rat brain lysate at 1.0 µg/ml. 15 µg of lysate was loaded in each lane. Bands observed at 175 kDa.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDGFR alpha + PDGFR beta antibody [Y92] - BSA and Azide free (ab271835)

Immunohistochemical staining of paraffin embedded human spleen with purified **ab32570** at a working dilution of 1/50. The secondary antibody used is **ab97051**, a HRP-conjugated goat anti-rabbit IgG (H+L), at a dilution of 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was perfomed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32570**).



Immunoprecipitation - Anti-PDGFR alpha + PDGFR beta antibody [Y92] - BSA and Azide free (ab271835)

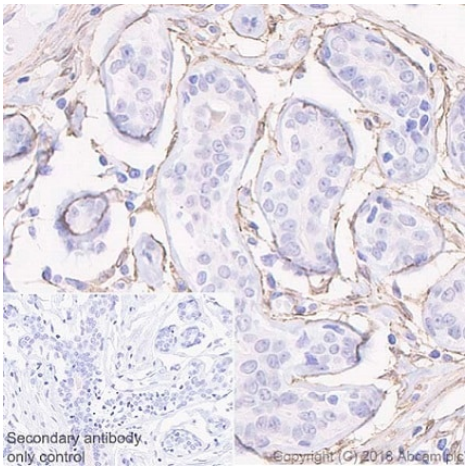
ab32570 (purified) at 1/20 immunoprecipitating PDGFR alpha + beta in NIH/3T3 (Mouse embryo fibroblast cell line) (Lane 1 and 2). Lane 3 - PBS.

For western blotting a HRP-conjugated anti-rabbit IgG specific to the non-reduced form of IgG was used as the secondary antibody (1/1500).

Blocking buffer and concentration: 5% NFDM/TBST.

Diluting buffer and concentration: 5% NFDM /TBST.

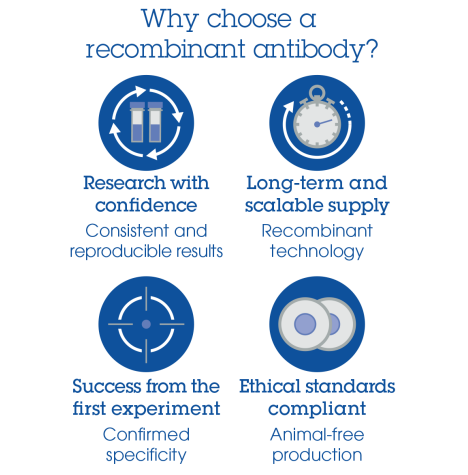
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32570**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDGFR alpha + PDGFR beta antibody [Y92] - BSA and Azide free (ab271835)

ab32570 staining PDGFR alpha + beta in human breast tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Shows positive staining on stromal cells. Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Samples were incubated with primary antibody (1/500). An HRP-conjugated Goat anti-rabbit IgG (ready to use) was used as the secondary antibody. Counter stained with Hematoxylin.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab32570**).



Anti-PDGFR alpha + PDGFR beta antibody [Y92] - BSA and Azide free (ab271835)

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