


# Anti-PDGFR alpha (phospho Y742) antibody ab5452

[1 Abreviews](#) [6 References](#) [画像数 1](#)

### 製品の概要

|              |   |
|--------------|---|
| 製品名          | Anti-PDGFR alpha (phospho Y742) antibody  |
| 製品の詳細        | Rabbit polyclonal to PDGFR alpha (phospho Y742)   |
| 由来種          | Rabbit  |
| 特異性          | PDGFR beta (50% homologous) has not been tested, but is not expected to react.  |
| アプリケーション     | <b>適用あり:</b> WB   |
| 種交差性         | <b>交差種:</b> Mouse<br><b>交差が予測される動物種:</b> Rat, Human, Xenopus laevis    |
| 免疫原          | Synthetic peptide corresponding to Human PDGFR alpha (phospho Y742).  |
| ポジティブ・コントロール | NIH3T3 cells +/- PDGF.  |
| 特記事項         | <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> |

### 製品の特性

|           |   |
|-----------|---|
| 製品の状態     | Liquid  |
| 保存方法      | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.   |
| バッファー     | pH: 7.3<br>Preservative: 0.05% Sodium azide<br>Constituents: PBS, 0.1% BSA<br><br>BSA is IgG and protease free  |
| 精製度       | Immunogen affinity purified   |
| 特記事項 (精製) | The antibody has been negatively preadsorbed using a non-phosphopeptide corresponding to the site of phosphorylation to remove antibody that is reactive with non-phosphorylated PDGFR alpha. The final product is generated by affinity chromatography using a PDGFR alpha derived |

peptide phosphorylated at Tyrosine 742.

ポリ/モノ

ポリクローナル

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ab5452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 a concentration of 0.35 - 1 µg/ml. Detects a band of approximately 170-185 kDa. |

## ターゲット情報

### 機能

Receptor that binds both PDGFA and PDGFB and has a tyrosine-protein kinase activity.

### 組織特異性

Expressed in primary and metastatic colon tumors and in normal colon tissue. Tumors may express a different isoform to that found in normal tissue.

### 関連疾患

Note=A chromosomal aberration involving PDGFRA is found in some cases of hypereosinophilic syndrome. Interstitial chromosomal deletion del(4)(q12q12) causes the fusion of FIP1L1 and PDGFRA (FIP1L1-PDGFRα).

### 配列類似性

Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.

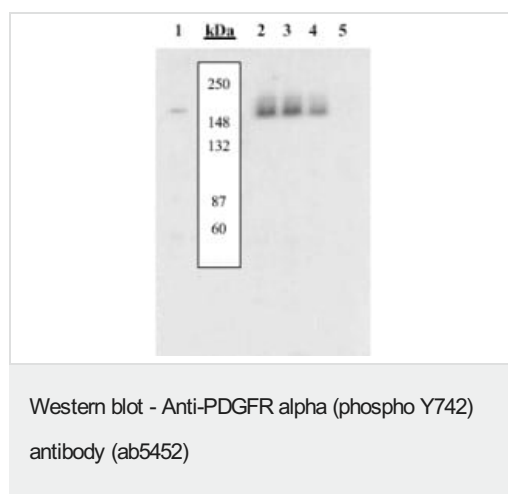
Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

Contains 1 protein kinase domain.

### 細胞内局在

Membrane.

## 画像



Peptide Competition: Extracts prepared from NIH3T3 cells left unstimulated (1) and stimulated with PDGF (2-5) were resolved by SDS-PAGE on a 10% polyacrylamide gel and transferred to PVDF. Membranes were blocked with a 5% BSA-TBST buffer overnight at 4°C, then were incubated with 0.50 µg/mL ab5452 antibody for two hours at room temperature in a 1% BSA-TBST buffer, following prior incubation with: no peptide (1, 2), the nonphosphopeptide corresponding to the immunogen (3), a generic phosphotyrosine containing peptide (4), or, the phosphopeptide immunogen (5). After washing, membranes were incubated with goat F(ab')<sub>2</sub> anti-rabbit IgG alkaline phosphatase and bands were detected using the Tropix WesternStar method. The data show that only the peptide corresponding to ab5452 blocks the antibody signal, thereby

demonstrating the specificity of the antibody. Peptide Competition:  
Extracts prepared from NIH3T3 cells left unstimulated (1) and  
stimulated with PDGF (2-5)

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

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