**Overview**

**Product name**
Anti-PDGFR alpha antibody [APA5]

**Description**
Rat monoclonal [APA5] to PDGFR alpha

**Host species**
Rat

**Tested applications**
Suitable for: WB, IHC-Fr, Flow Cyt

**Species reactivity**
Reacts with: Mouse

**Immunogen**
Fusion protein corresponding to Mouse PDGFR alpha (extracellular). Fusion protein containing the extracellular domain of Mouse PDGF Receptor alpha and the Fc portion of Human IgG1 purified from the culture supernatant of transfected COS1 cells

**Positive control**
NIH3T3 cells

**Properties**

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

**Storage buffer**
pH: 7.20  
Preservative: 0.09% Sodium azide  
Constituents: PBS, 0.87% Sodium chloride

**Purity**
Protein A purified

**Clonality**
Monoclonal

**Clone number**
APA5

**Isotype**
IgG2a

**Light chain type**
kappa

**Applications**

Our Abpromise guarantee covers the use of ab90967 in the following tested applications.

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

Flow Cyt: Use 1µg for 10^6 cells in a 100 µl total staining volume.

IHC-Fr: Use at an assay dependent dilution.


Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

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**Target**

**Function**

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

**Tissue specificity**

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

**Involvement in disease**

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

**Sequence similarities**

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

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

Contains 1 protein kinase domain.

**Cellular localization**

Membrane.

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**Images**

Staining of NIH/3T3 cells with 0.5 µg Rat IgG2a control antibody (open histogram) or 0.5 µg of ab90967 (colored histogram) followed by Biotin Anti-Rat IgG secondary antibody. Total viable cells were analysed.

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