Product datasheet

Anti-PDGFR alpha antibody [APA5] ab90967

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.
**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 PDGFRA is found in some cases of hypereosinophilic syndrome. Interstitial chromosomal deletion del(4)(q12q12) causes the fusion of FIP1L1 and PDGFRA (FIP1L1-PDGFRA).

**Sequence similarities**
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.

**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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