Product datasheet

Anti-PDGFR alpha antibody [APA5] (Biotin) ab93530

Overview

Product name: Anti-PDGFR alpha antibody [APA5] (Biotin)
Description: Rat monoclonal [APA5] to PDGFR alpha (Biotin)
Host species: Rat
Conjugation: Biotin
Tested applications: Suitable for: Flow Cyt
Species reactivity: Reacts with: Mouse
Immunogen: Fusion protein corresponding to Mouse PDGFR alpha.
Positive control: NIH/3T3 cell line

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: 0.87% Sodium chloride, PBS
Purity: Protein G purified
Clonality: Monoclonal
Clone number: APA5
Isotype: IgG2a
Light chain type: kappa

Applications

Our Abpromise guarantee covers the use of ab93530 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
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.

Flow Cytometry - Anti-PDGFR alpha (biotinylated ) antibody [APA5] (ab93530)
Staining of NIH/3T3 cell line with 0.5 µg of ab93530 followed by Streptavidin PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

ab18450 - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

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