

Product datasheet

Biotin Anti-PDGFR alpha antibody [APA5] ab93530

[2 References](#) [1 Image](#)

Overview

Product name	Biotin Anti-PDGFR alpha antibody [APA5]
Description	Biotin Rat monoclonal [APA5] to PDGFR alpha
Host species	Rat
Conjugation	Biotin
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant fragment corresponding to Mouse PDGFR alpha. Extracellular domain of PDGFRa and the Fc portion of human IgG1
Positive control	NIH/3T3 cell line
General notes	<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&As</p>

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	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.87% Sodium chloride, PBS</p>
Purity	Protein G purified
Clonality	Monoclonal
Clone number	APA5
Isotype	IgG2a
Light chain type	kappa

Applications

The Abpromise guarantee

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.

Application	Abreviews	Notes
Flow Cyt		Use 0.5-1 µg for 10 ⁵⁻⁸ cells. A final volume of 100 µl is recommended for staining the cell sample.

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-PDGFR).

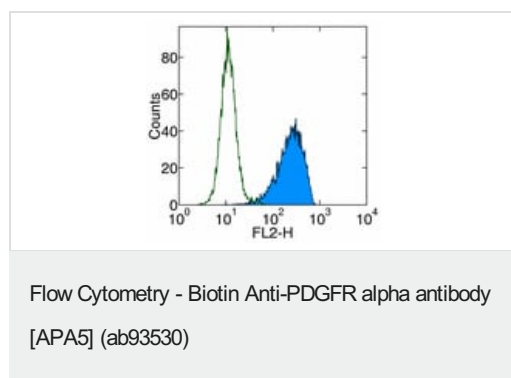
Sequence similarities

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.

Images



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.

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

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