

Anti-PDGFR beta antibody [APB5] ab91066

★★★★★ [4 Abreviews](#) [13 References](#) [1 图像](#)

概述

产品名称	Anti-PDGFR beta抗体[APB5]
描述	大鼠单克隆抗体[APB5] to PDGFR beta
宿主	Rat
经测试应用	适用于: Flow Cyt
种属反应性	与反应: Mouse
免疫原	Fusion protein corresponding to Mouse PDGFR beta.
阳性对照	NIH3T3 cells
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituent: 0.87% Sodium chloride</p>
纯度	Protein A purified
纯化说明	ab91066 is affinity purified.
克隆	单克隆
克隆编号	APB5
同种型	IgG2a
轻链类型	kappa

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab91066于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		

应用说明

Flow Cyt: Use 1 µg for 10⁶ cells in 100 µl total staining volume.
IHC-Fr: Use at an assay dependent dilution.
WB: Use at an assay dependent dilution. Predicted molecular weight: 124 kDa.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

靶标

功能

Receptor that binds specifically to PDGFB and PDGFD and has a tyrosine-protein kinase activity. Phosphorylates Tyr residues at the C-terminus of PTPN11 creating a binding site for the SH2 domain of GRB2.

疾病相关

Note=A chromosomal aberration involving PDGFRB is found in a form of chronic myelomonocytic leukemia (CMML). Translocation t(5;12)(q33;p13) with EVT6/TEL. It is characterized by abnormal clonal myeloid proliferation and by progression to acute myelogenous leukemia (AML).
Note=A chromosomal aberration involving PDGFRB may be a cause of acute myelogenous leukemia. Translocation t(5;14)(q33;q32) with TRIP11. The fusion protein may be involved in clonal evolution of leukemia and eosinophilia.
Note=A chromosomal aberration involving PDGFRB may be a cause of juvenile myelomonocytic leukemia. Translocation t(5;17)(q33;p11.2) with SPECC1.
Defects in PDGFRB are a cause of myeloproliferative disorder chronic with eosinophilia (MPE) [MIM:131440]. A hematologic disorder characterized by malignant eosinophils proliferation.
Note=A chromosomal aberration involving PDGFRB is found in many instances of myeloproliferative disorder chronic with eosinophilia. Translocation t(5;12) with ETV6 on chromosome 12 creating an PDGFRB-ETV6 fusion protein.
Note=A chromosomal aberration involving PDGFRB may be the cause of a myeloproliferative disorder (MBD) associated with eosinophilia. Translocation t(1;5)(q23;q33) that forms a PDE4DIP-PDGFRB fusion protein.

序列相似性

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.

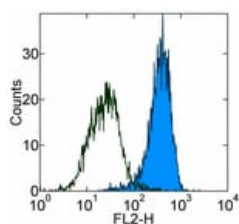
翻译后修饰

Autophosphorylated. Dephosphorylated by PTPRJ at Tyr-751, Tyr-857, Tyr-1009 and Tyr-1021.

细胞定位

Membrane.

图片



Flow Cytometry - Anti-PDGFR beta antibody [APB5]
(ab91066)

Staining of NIH3T3 cells with 0.5 μ g control antibody (open histogram) or 0.5 μ g ab91066 (colored histogram), followed by biotin-conjugated anti-Rat IgG and Streptavidin PE. 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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