

Product datasheet

Anti-PDGFR alpha antibody [RM0004-3G28] ab51875

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

Overview

Product name	Anti-PDGFR alpha antibody [RM0004-3G28]
Description	Rat monoclonal [RM0004-3G28] to PDGFR alpha
Host species	Rat
Specificity	Does not bind to PDGF receptor beta
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant fragment corresponding to Mouse PDGFR alpha (extracellular).
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Constituent: PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	RM0004-3G28
Isotype	IgG2a

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab51875 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
IHC-P		

Application notes

IHC-P: 1/50 - 1/100. Perform enzymatic antigen retrieval before commencing with IHC staining protocol. The recommended protease is proteinase K, 20 ug/ml in PBS for 10 - 20 minutes.
WB: 1/400 - 1/800. Predicted molecular weight: 180 kDa.

Not yet tested in other applications.

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

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.

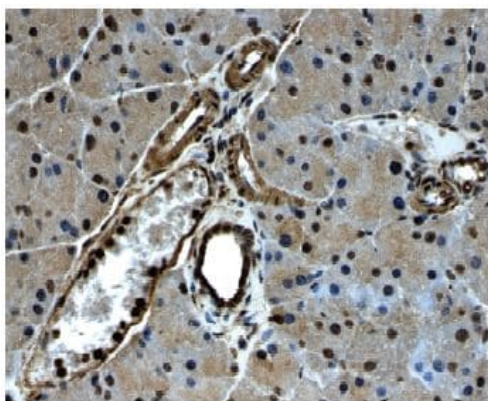
Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

Contains 1 protein kinase domain.

Cellular localization

Membrane.

Images



ab51875 at 1/100 dilution, staining PDGF Receptor alpha in LPS exposed mouse pancreatic tissue section by Immunohistochemistry (Formalin/PFA fixed paraffin-embedded sections).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PDGFR alpha antibody [RM0004-3G28] (ab51875)

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

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