

Product Datasheet

PDGF R beta Antibody (APB5) - BSA Free NBP1-43349-0.1mg

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NBP1-43349-0.1mg

PDGF R beta Antibody (APB5) - BSA Free

| Product Information | |
|---------------------|-----------------------------|
| Unit Size | 0.1 mg |
| Concentration | 0.5 mg/ml |
| Storage | Store at 4C. Do not freeze. |
| Clonality | Monoclonal |
| Clone | APB5 |
| Preservative | 0.09% Sodium Azide |
| Isotype | IgG2a Kappa |
| Purity | Protein A or G purified |
| Buffer | PBS (pH 7.2) |

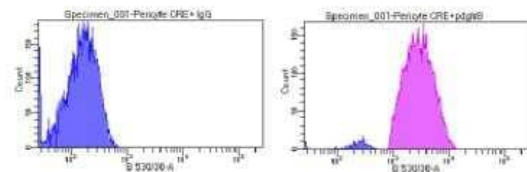
| Product Description | |
|---------------------|---|
| Host | Rat |
| Gene ID | 5159 |
| Gene Symbol | PDGFRB |
| Species | Mouse |
| Immunogen | The immunogen for this antibody was PDGF receptor beta. |

| Product Application Details | |
|-----------------------------|---|
| Applications | Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Protein Array |
| Recommended Dilutions | Flow Cytometry < 1.0 ug/10 ⁶ cells, Immunohistochemistry 1:10 - 1:500, Immunohistochemistry-Frozen 1:10 - 1:500, Protein Array |
| Application Notes | The APB5 antibody has been tested by flow cytometric analysis of NIH-3T3 cells. Cell number should be determined empirically but can range from 10 ⁵ to 10 ⁸ cells/test. Use in Protein Array reported in scientific publication PMID: 32499572 |

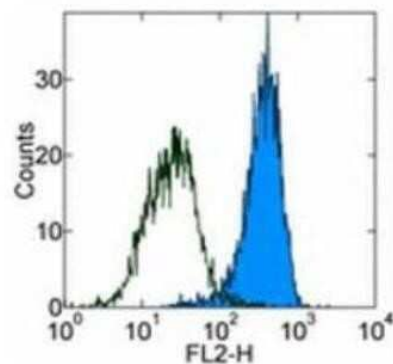


Images

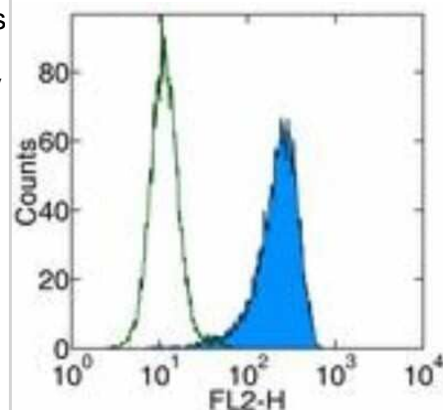
Flow Cytometry: PDGF R beta Antibody (APB5) [NBP1-43349] - Mouse brain pericytes - IgG (left) and PDGFRB (right). Image from verified customer review.



Flow Cytometry: PDGF R beta Antibody (APB5) [NBP1-43349] - Staining of NIH/3T3 cell line with 0.5 ug of Rat IgG2a kappa Isotype Control Purified (cat. 14-4321) (open histogram) or 0.5 ug of Anti-Mouse CD140b (PDGF Receptor b) Purified (filled histogram) followed by Anti-Rat IgG Biotin (cat. 13-4813) and Streptavidin PE (cat. 12-4317). Total viable cells were used for analysis.



Flow Cytometry: PDGF R beta Antibody (APB5) [NBP1-43349] - Analysis using the Biotin conjugate of NBP1-43349. Staining of NIH/3T3 cell line with 0.5 ug of Anti-Mouse CD140b (PDGF Receptor b) Biotin followed by Streptavidin PE. Appropriate isotype controls were used (open histogram).



Publications

Dhumale P, Nielsen JV, Hansen ACS et al. CD31 defines a subpopulation of human adipose-derived regenerative cells with potent angiogenic effects Sci Rep 2023-09-01 [PMID: 37658225]

Dhumale P, Nielsen J, Hansen A et al. CD31 defines a subpopulation of human adipose-derived regenerative cells with potent angiogenic effects Research Square 2023-05-19

Zhao Y, Qiao S, Zhang B Et al. A novel neuroinflammation-responsive hydrogel based on mimicking naked mole rat brain microenvironment retards neurovascular dysfunction and cognitive decline in Alzheimer s disease Front Aging Neurosci 2022-07-21 [PMID: 35860673]

Lechertier T, Reynolds LE, Kim H et al. Pericyte FAK negatively regulates Gas6/Axl signalling to suppress tumour angiogenesis and tumour growth Nat Commun 2020-06-04 [PMID: 32499572] (Protein Array, Mouse)

Munji RN, Soung AL, Weiner GA et al. Profiling the mouse brain endothelial transcriptome in health and disease models reveals a core blood-brain barrier dysfunction module Nat. Neurosci. 2019-10-14 [PMID: 31611708] (FLOW, Mouse)

Groman-Lupa S, Adewumi J, Park KU, Brzezinski Iv JA. The Transcription Factor Prdm16 Marks a Single Retinal Ganglion Cell Subtype in the Mouse Retina. Invest. Ophthalmol. Vis. Sci. 2017-10-01 [PMID: 29053761] (IHC-Fr, Mouse)

Details:

PDGF R beta antibody used as a cell marker to distinguish mural cells from endothelial cells





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Products Related to NBP1-43349-0.1mg

| | |
|------------------|---|
| HAF005 | Goat anti-Rat IgG Secondary Antibody [HRP] |
| NBP1-75398 | Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed) |
| NBP1-43321-0.5mg | Rat IgG2a Kappa Light Chain Isotype Control (R2a) |
| NBP1-43349AF488 | PDGF R beta Antibody (APB5) [Alexa Fluor® 488] |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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