

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)

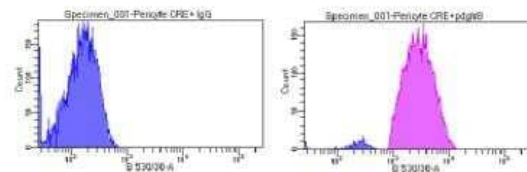
Product Description	
Description	Novus Biologicals Rat PDGF R beta Antibody (APB5) - BSA Free (NBP1-43349) is a monoclonal antibody validated for use in IHC and Flow. Anti-PDGF R beta Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene 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

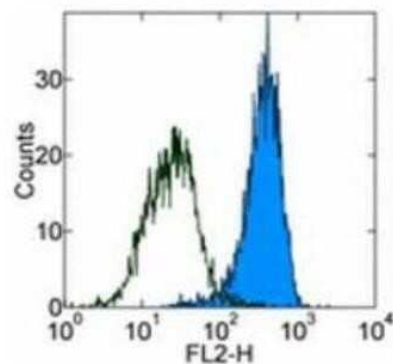


Images

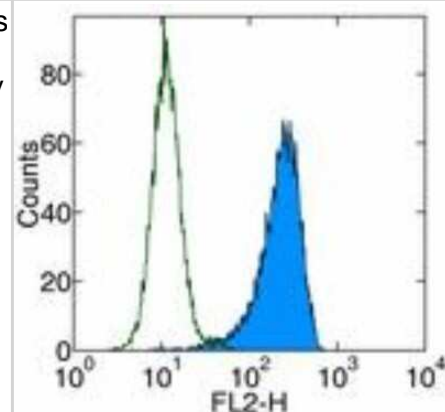
Flow Cytometry: PDGF R beta Antibody (APB5) [NBP1-43349] - Mouse brain pericytes - IgG (left) and PDGFRB (right). Image from verified customer review.



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]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
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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