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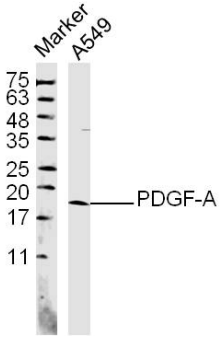
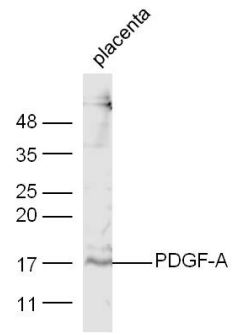
PDGF-A Rabbit pAb

Catalog Number:	bs-0196R
Target Protein:	PDGF-A
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (0.2μg/Test)
Reactivity:	Human, Mouse (predicted:Rat, Rabbit)
Predicted MW:	24 kDa
Entrez Gene:	5154
Swiss Prot:	P04085
Source:	KLH conjugated synthetic peptide derived from the missle of human PDGF-A: 125-170/211.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	This gene encodes a member of the protein family comprised of both platelet-derived growth factors (PDGF) and vascular endothelial growth factors (VEGF). The encoded preproprotein is proteolytically processed to generate platelet-derived growth factor subunit A, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit B. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

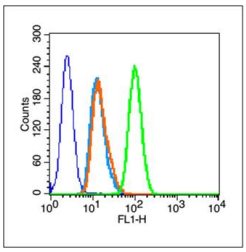
VALIDATION IMAGES



Sample: A549 (human)Cell Lysate at 40 ug Primary: Anti- PDGF-A (bs-0196R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 14 kD Observed band size: 18 kD



Sample: placenta (Mouse) Lysate at 40 ug Primary: Anti-PDGF-A (bs-0196R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 14 kD Observed band size: 17 kD



Blank control (blue line): A431 cells (blue). Primary Antibody (green line): Rabbit Anti-PDGF-A antibody (bs-0196R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=16.036] Valentina Back. et al. Inhibition of platelet aggregation by activation of platelet intermediate conductance Ca2+-activated potassium channels. J THROMB HAEMOST. 2022 Aug;: WB ; Human . 35867883

[IF=6.064] Yu Hedong. et al. Improved repair of rabbit calvarial defects with hydroxyapatite/chitosan/polycaprolactone composite scaffold-engrafted EPCs and BMSCs. FRONT BIOENG BIOTECH. 2022 Aug;0:1275 WB ; Rabbit . 35992335

[IF=5.097] Yan L et al. Exosomes produced from 3D cultures of umbilical cord mesenchymal stem cells in a hollow-fiber bioreactor show improved osteochondral regeneration activity. Cell Biology and Toxicology. WB ; Human . doi:10.1007/s10565-019-09504-5

[IF=4.075] Wang et al. A Bayesian Framework for Generalized Linear Mixed Modeling Identifies New Candidate Loci for Late-Onset Alzheimer's Disease. (2018) Genetics. 209:51-64 IF ; Mouse . 29507048

[IF=2.77] Lee, Si‐Hyung, et al. "Therapeutic efficacy of autologous platelet‐rich plasma and polydeoxyribonucleotide on female pattern hair loss." Wound Repair and Regeneration (2014). WB ; ="" . 25524027