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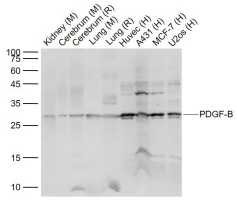
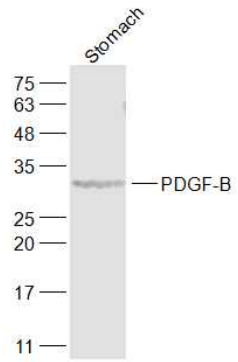
PDGF-B Rabbit pAb

Catalog Number:	bs-0185R
Target Protein:	PDGF-B
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 (1µg/Test)
Reactivity:	Human, Mouse, Rat (predicted:Rabbit, Sheep, Cow, Dog, Horse)
Predicted MW:	27 kDa
Subcellular Locations:	Secreted ,Cytoplasm ,Nucleus
Entrez Gene:	5155
Swiss Prot:	P01127
Source:	KLH conjugated synthetic peptide derived from human PDGF-B: 155-210/241.
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:	Platelet-derived growth factor is a potent mitogen for cells of mesenchymal origin. Binding of this growth factor to its affinity receptor elicits a variety of cellular responses. It is released by platelets upon wounding and plays an important role in stimulating adjacent cells to grow and thereby heal the wound. [SUBUNIT] Antiparallel disulfide-linked dimer of nonidentical (A and B) chains. Homodimers of A and B chains are implicated in transformation processes. A-A and B-B, as well as A-B, dimers can bind to the PDGF receptor. Belongs to the PDGF/VEGF growth factor family.

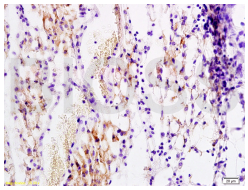
VALIDATION IMAGES



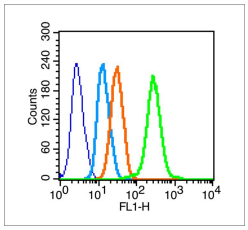
Sample: Lane 1: Kidney (Mouse) Lysate at 40 ug Lane 2: Cerebrum (Mouse) Lysate at 40 ug Lane 3: Cerebrum (Rat) Lysate at 40 ug Lane 4: Lung (Mouse) Lysate at 40 ug Lane 5: Lung (Rat) Lysate at 40 ug Lane 6: Huvec (Human) Cell Lysate at 30 ug Lane 7: A431 (Human) Cell Lysate at 30 ug Lane 8: MCF-7 (Human) Cell Lysate at 30 ug Lane 9: U2os (Human) Cell Lysate at 30 ug Primary: Anti-PDGF-B (bs-0185R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 25 kD Observed band size: 28 kD



Sample: Stomach (Rat) Lysate at 40 ug Primary: Anti-PDGF-B (bs-0185R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 27 kD Observed band size: 32 kD



Tissue/cell: rat transplant lymphoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-PDGF-B Polyclonal Antibody, Unconjugated(bs-0071R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control (blue line):Hela(blue). Primary Antibody (green line): Rabbit Anti-PDGF-B antibody (bs-0185R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): F(ab')2 fragment goat anti-rabbit IgG-FITC Dilution: 1µg /test. Protocol The cells were fixed with 2% paraformaldehyde (10 min) , then permeabilized with 90% ice-cold methanol for 30 min on ice.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=18] Lina Dong. et al. Oriented cellulose hydrogel: Directed tissue regeneration for reducing corneal leukoplakia and managing fungal corneal ulcers. BIOACT MATER. 2024 Nov;41:15 IF ; Rat . 39101028

[IF=10.5] Daping Xie. et al.A dual-modified glucomannan polysaccharide selectively sequesters growth factors for skin tissue repair.JOURNAL OF CONTROLLED RELEASE.2025 Feb 5:380:185-198. IF ; Rat . 39894264

[IF=7.7] Pilian Niu. et al. A polysaccharide from Glycyrrhiza uralensis attenuates myocardial fibrosis via modulating the MAPK/PI3K/AKT signaling pathway. INT J BIOL MACROMOL. 2024 Nov;:138207 WB ; Mouse . 39617235

[IF=5.62] He, Ting, et al. "Tumor cell-secreted angiogenin induces angiogenic activity of endothelial cells by suppressing miR-542-3p." Cancer Letters (2015). WB ; ="" . 26272182

[IF=4.498] Furube et al. VEGF-dependent and PDGF-dependent dynamic neurovascular reconstruction in the neurohypophysis of adult mice. (2014) J.Endocrino. 222:161-79 WB ; Mouse . 24860149