### bs-0185R

- DATASHEET -

## [ Primary Antibody ]

## PDGF-B Rabbit pAb

# Bio'ss ANTIBODIES

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

**IHC-P** (1:100-500)

IHC-F (1:100-500)

(predicted: Rabbit, Sheep, Cow, Dog, Horse)

IF (1:100-500) Flow-Cyt (1µg/Test)

Reactivity: Human, Mouse, Rat

Subcellular Secreted ,Cytoplasm

Predicted MW.: 27 kDa

Location: ,Nucleus

Applications: WB (1:500-2000)

Host:	Rabbit	

Clonality: Polyclonal

SWISS: P01127

Isotype: IgG

GenelD: 5155

Target: PDGF-B

Immunogen: KLH conjugated synthetic peptide derived from human PDGF-B: 155-210/241.

Purification: affinity purified by Protein A

#### Concentration: 1mg/ml

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: 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



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



Tissue/cell: rat transplant lymphoma; 4% Paraformaldehyde-fixed and paraffinembedded; 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 nonspecific 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.

### - SELECTED CITATIONS -

- [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
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- [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