

bs-1316R**[Primary Antibody]****PDGFBB Rabbit pAb****Bioss**
ANTIBODIES

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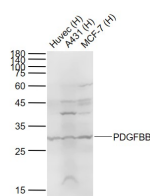
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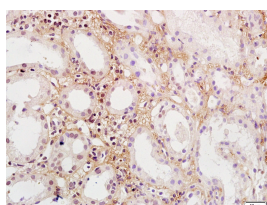
400-901-9800

— DATASHEET —

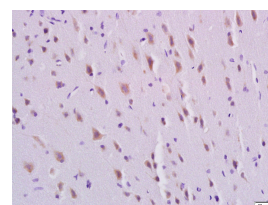
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 5155	SWISS: P01127	IHC-F (1:100-500)
Target: PDGFBB		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from human PDGF-B: 151-241/241.		Reactivity: Human, Mouse, Rat
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 12 kDa
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.		Subcellular Location: Secreted ,Cytoplasm ,Nucleus
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: Hevec (Human) Cell Lysate at 30 ug
Lane 2: A431 (Human) Cell Lysate at 30 ug
Lane 3: MCF-7 (Human) Cell Lysate at 30 ug
Primary: Anti-PDGFBB (bs-1316R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 27/22/14 kD
Observed band size: 30 kD



Tissue/cell: rat kidney tissue; 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-BB Polyclonal Antibody, Unconjugated(bs-1316R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 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-BB Polyclonal Antibody, Unconjugated(bs-1316R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=14.511]** Ying Xia. et al. SB431542 alleviates lupus nephritis by regulating B cells and inhibiting the TLR9/TGFβ1/PDGFBB signaling. J AUTOIMMUN. 2022 Oct;132:102894 IHC ;Mouse. 36030617
- **[IF=13.116]** Yan Li. et al. Injectable hydrogel with MSNs/microRNA-21-5p delivery enables both immunomodification and enhanced angiogenesis for myocardial infarction therapy in pigs. Sci Adv. 2021 Feb;7(9):eabd6740 WB ;Pig. 33627421
- **[IF=10.171]** Qi Wu. et al. Glut10 restrains neointima formation by promoting SMCs mtDNA demethylation and improving mitochondrial function. TRANSL RES. 2023 May; IHC ;Rat, Human. 37220836

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=8.2]** Chengmin Feng. et al. Preparation of healing-promoting and fibrosis-inhibiting asymmetric poly(ethylene glycol-b-L-phenylalanine)/cRGD-modified hyaluronate sponges and their applications in hemorrhage and nasal mucosa repair. INT J BIOL MACROMOL. 2024 Feb;258:128911 IHC ;Rabbit. 38141717
- **[IF=4.897]** Tang L et al. RhoA/ROCK signaling regulates smooth muscle phenotypic modulation and vascular remodeling via the JNK pathway and vimentin cytoskeleton. Pharmacol Res. 2018 Jul;133:201-212. IF, WB ;Human. 29791873