

bs-0232R**[Primary Antibody]****PDGF Receptor beta Rabbit pAb****BioSS**
ANTIBODIES

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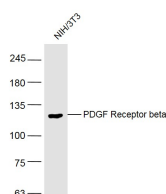
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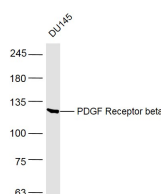
400-901-9800

— DATASHEET —

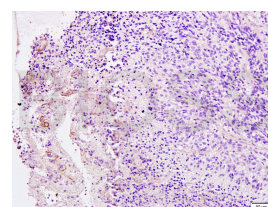
Host: Rabbit Clonality: Polyclonal GeneID: 5159 Target: PDGF Receptor beta Immunogen: KLH conjugated synthetic peptide derived from human PDGF-R-B: 981-1066/1106. < Cytoplasmic > Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. This gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia. [provided by RefSeq].	Isotype: IgG SWISS: P09619	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Rat (predicted: Mouse, Cow, Dog) Predicted MW.: 118 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Sample: NIH/3T3(Rat) Cell Lysate at 30 ug
Primary: Anti-PDGF Receptor beta (bs-0232R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 118 kD Observed band size: 118 kD



Sample: DU145(Human) Cell Lysate at 30 ug
Primary: Anti-PDGF Receptor beta (bs-0232R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 118 kD Observed band size: 118 kD



Tissue/cell: Human brain glioma; 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-PDGFRB Polyclonal Antibody, Unconjugated(bs-0232R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

— SELECTED CITATIONS —

- **[IF=9.2]** Moro Marianna. et al. Extracellular nicotinamide phosphoribosyltransferase (eNAMPT) drives abnormal pericyte-rich vasculature in triple-negative breast cancer. *ANGIOGENESIS*. 2025 Mar;28(1):1-20 WB,IF ;Human. 39636369

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

- **[IF=6.1]** Hu Xinpeng. et al. Monitoring imatinib decreasing pericyte coverage and HIF-1 α level in a colorectal cancer model by an ultrahigh-field multiparametric MRI approach. J TRANSL MED. 2024 Dec;22(1):1-21 IF ;Mouse. 39085929
- **[IF=5.4]** Linfeng Tang. et al. Treating ischemic stroke by improving vascular structure and promoting angiogenesis using Taohong Siwu Decoction: An integrative pharmacology strategy. J ETHNOPHARMACOL. 2024 Oct;332:118372 IF ;Rat. 38777084
- **[IF=4.077]** Xueli Li. et al. Dynamic expression of vascular endothelial growth factor (VEGF) and platelet-derived growth factor receptor beta (PDGFR β) in diabetic brain contributes to cognitive dysfunction. Brain Res Bull. 2021 Oct;175:99 WB ;Mouse. 34303767
- **[IF=3.905]** Weifeng Hu. et al. Bone marrow-derived mesenchymal stem cells transplantation attenuates renal fibrosis following acute kidney injury by repairing the peritubular capillaries. Exp Cell Res. 2022 Feb;411:112983 IF ;Rat. 34921827