bs-5776R **[Primary Antibody]**

PDGF-D/SCDGFB Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 80310 **SWISS:** Q9GZP0

Target: PDGF-D/SCDGFB

Immunogen: KLH conjugated synthetic peptide derived from human SCDGFB: 271-370/370.

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: SCDGFB (Spinal cord derived growth factor B) is a member of the platelet derived growth factor family. It only forms homodimers and does not dimerize with the other three family members. It is a potent mitogen for cells of mesenchymal origin. It is activated by proteolytic cleavage and this active form acts as a specific ligand for beta platelet derived growth factor receptor. It is released by platelets upon wounding and plays an important role in stimulating adjacent cells to grow and thereby heals the wound. It induces macrophage recruitment, increased interstitial pressure, and blood vessel maturation during angiogenesis.

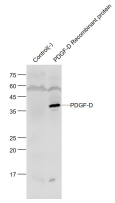
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog)

Predicted MW.: 14/41 kDa

Subcellular Location: Secreted ,Extracellular matrix

VALIDATION IMAGES



Sample: Control (-) Cell Lysate at 8 ug Human PDGF-D (Full Length) Overexpression Cell Lysate at 8ug Primary: Anti-PDGF-D (bs-5776R) at 1/2000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 14/41 kD Observed band size: 41 kD

SELECTED CITATIONS

- **[IF=5.6]** Meilin Jin. et al. The Effects of DDI1 on Inducing Differentiation in Ovine Preadipocytes via Oar-miR-432. INT J MOL SCI. 2023 Jan;24(14):11567 WB ;Sheep. 37511326
- **[IF=3.26]** Hurley, Marja M., et al. "Accelerated Fracture Healing in Transgenic Mice Overexpressing an Anabolic Isoform of Fibroblast Growth Factor 2." Journal of Cellular Biochemistry (2015). IHC ;="Mouse". 26252425
- **[IF=2.766]** Wang et al. Imatinib attenuates cardiac fibrosis by inhibiting platelet-derived growth factor receptors activation in isoproterenol induced model. (2017) PLoS.One. 12:e0178619 WB ;Mouse. 28570599