
PDGFC Rabbit pAb

Catalog Number: bs-5775R

Target Protein: PDGFC

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

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

Predicted MW: 39 kDa

Entrez Gene: 56034

Swiss Prot: Q9NRA1

Source: KLH conjugated synthetic peptide derived from human PDGFC/VEGF E: 201-300/345.

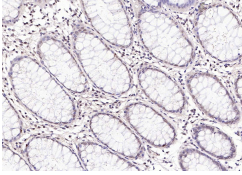
Purification: affinity purified by Protein A

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: Potent mitogen and chemoattractant for cells of mesenchymal origin. Binding of this growth factor to its affinity receptor elicits a variety of cellular responses. Appears to be involved in the three stages of wound healing: inflammation, proliferation and remodeling. Involved in fibrotic processes, in which transformation of interstitial fibroblasts into myofibroblasts plus collagen deposition occurs. Acts as a specific ligand for alpha platelet-derived growth factor receptor homodimer, and alpha and beta heterodimer. Binding to receptors induces their activation by tyrosine phosphorylation. The CUB domain has mitogenic activity in coronary artery smooth muscle cells, suggesting a role beyond the maintenance of the latency of the PDGF domain. In the nucleus, PDGFC seems to have additional function. Seems to be involved in palatogenesis.

VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PDGFC) Polyclonal Antibody, Unconjugated (bs-5775R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[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