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SCDGFB Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6263a

Product Information

Application	IHC-P, WB, E
Primary Accession	Q9EQT1
Other Accession	Q6V9H4, Q925I7
Reactivity	Human, Rat, Mouse
Predicted	Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB2007/2008
Calculated MW	42809
Antigen Region	313-341

Additional Information

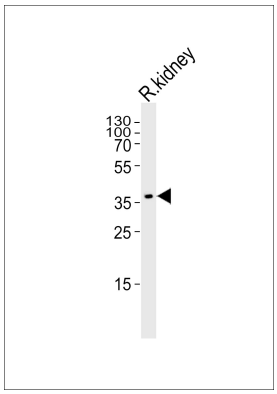
Gene ID	66018
Other Names	Platelet-derived growth factor D, PDGF-D, Iris-expressed growth factor, Spinal cord-derived growth factor B, SCDGF-B, Platelet-derived growth factor D, latent form, PDGFD latent form, Platelet-derived growth factor D, receptor-binding form, PDGFD receptor-binding form, Pdgfd, Iegf, Scdgfb
Target/Specificity	This SCDGFB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 313-341 amino acids from the Central region of rat SCDGFB.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SCDGFB Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

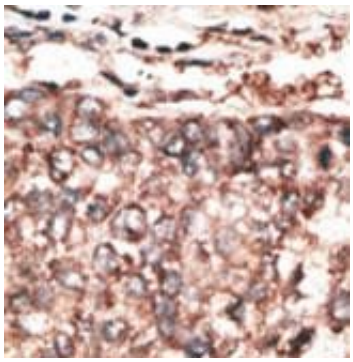
Name	Pdgfd

Synonyms	Iegf, Scdgfb
Function	Growth factor that plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. Potent mitogen for cells of mesenchymal origin. Plays an important role in wound healing. Induces macrophage recruitment, increased interstitial pressure, and blood vessel maturation during angiogenesis (By similarity). May play an important role in control of lens epithelial cell proliferation. Can initiate events that lead to a mesangial proliferative glomerulonephritis, including influx of monocytes and macrophages and production of extracellular matrix.
Cellular Location	Secreted. Note=Released by platelets upon wounding.
Tissue Location	Widely expressed. Expressed at high levels in the kidney, adrenal glands, eye and CNS. In the kidney the localization is confined to arterial and arteriolar vascular smooth muscle cells and is also detected at low levels in the glomeruli In the eye in the anterior segment it is localized to the iris and ciliary body. In the retina localizes intensely to the outer plexiform layer, which contains photoreceptor axons and the synaptic layer between photoreceptors and second order neurons. In the spinal cord, prominently expressed in the motorneurons.

Images



Western blot analysis of lysate from rat kidney tissue lysate, using SCDGFB Antibody (Center)(Cat. #AP6263A). AP6263A was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.