10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# SCDGFB Antibody (Center) Blocking Peptide

**Synthetic peptide**
**Catalog # BP6263a**

## Specification

### SCDGFB Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9EQT1

### SCDGFB Antibody (Center) Blocking Peptide - 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**
The synthetic peptide sequence used to generate the antibody <a href=/product/products/AP6263a>AP6263a</a> was selected from the Center region of human SCDGFB. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### SCDGFB Antibody (Center) Blocking Peptide - 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.

## SCDGFB Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

## SCDGFB Antibody (Center) Blocking Peptide - Images