

Rabbit anti-Mouse, Human PDGF-D Polyclonal Antibody | anti-PDGFD antibody

Anti-PDGF-D Antibody, Rabbit Polyclonal

CATALOG # AAA255062	HOST Rabbit	REACTIVITY Mouse, Human	APPLICATIONS Immunohistochemistry
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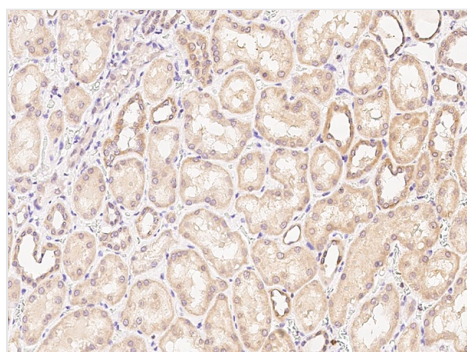
PRODUCT SYNONYMS

PDGF-D; Polyclonal Antibody; Anti-PDGF-D Antibody; Rabbit Polyclonal; PDGF-D/PDGFD Antibody; Rabbit PAb; Antigen Affinity Purified; platelet derived growth factor D; Anti-1110003I09Rik Antibody; anti-PDGFD antibody

PRODUCT SPECIFICATIONS

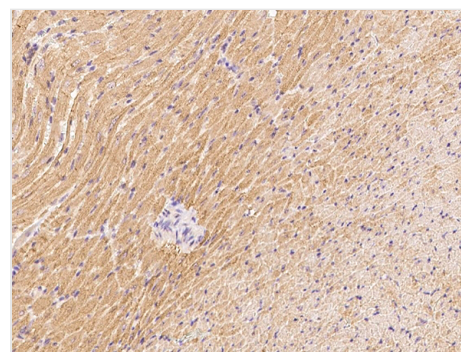
Host	Rabbit
Reactivity	Mouse, Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	0.2um filtered solution in PBS
Applicable Applications for anti-PDGFD antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the center region of the Mouse PDGF-D/PDGFD
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Mouse PDGF-D/PDGFD, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

IMAGES



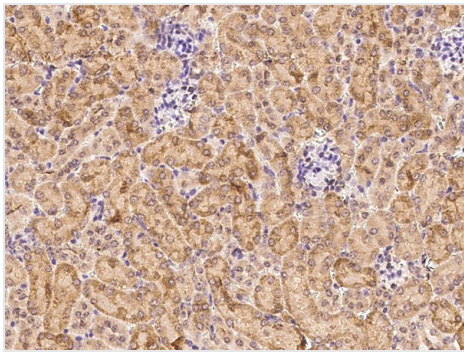
IHC (Immunohistochemistry)

Immunochemical staining PDGFD in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining PDGFD in mouse heart with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
 Immunochemical staining PDGFD in mouse kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PDGFD antibody	Platelet-derived growth factor D (PDGF-D), also known as Iris-expressed growth factor, is a member of the PDGF/vascular endothelial growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a core motif of eight cysteines, seven of which are found in this factor. PDGF-D/PDGFD only forms homodimers and, therefore, does not dimerize with the other three family members. It differs from alpha and beta members of this family in having an unusual N-terminal domain, the CUB domain. The expression of PDGF-D/PDGFD in the eye is tissue-specific. In the anterior segment, it is localized to iris and ciliary body, whereas in the retina, PDGF-D/PDGFD is restricted to the outer plexiform layer. PDGF-D/PDGFD is present in aqueous humor but is not detectable in mature lens or in mouse lens-derived alphaTN4-1 cells. PDGF-D/PDGFD is highly expressed in human breast cancer and facilitates tumor growth and lymph node metastasis, making it a potential target in breast cancer. PDGF-D/PDGFD increases drug delivery and hence improves the efficacy of chemotherapy through vessel normalization. Intervention in the PDGF-D pathway in the eye, perhaps by antibody or blocking peptide, could be useful in the treatment of certain cataracts, including post-operative secondary cataract.
References	Ray S, et al. (2005) Platelet-derived growth factor D, tissue-specific expression in the eye, and a key role in control of lens epithelial cell proliferation. J Biol Chem. 280(9): 8494-502.Uutela M, et al. (2004) PDGF-D induces macrophage recruitment, increased interstitial pressure, and blood vessel maturation during angiogenesis. Blood. 104 (10): 3198-204.Taneda S, et al. (2004) Obstructive uropathy in mice and humans: potential role for PDGF-D in the progression of tubulointerstitial injury. J Am Soc Nephrol. 14 (10): 2544-55.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27229137
NCBI GeneID	71785
NCBI Accession #	NP_082200.1
NCBI GenBank Nucleotide #	NM_027924.2
UniProt Accession #	Q925I7; Q3URF6; Q8K2L3; Q9D1L8
NCBI Official Full Name	platelet-derived growth factor D
NCBI Official Synonym Full Names	platelet-derived growth factor, D polypeptide
NCBI Official Symbol	Pdgfd
NCBI Official Synonym Symbols	1110003I09Rik
NCBI Protein Information	platelet-derived growth factor D; PDGF-D; SCDGF-B; spinal cord-derived growth factor B
UniProt Protein Name	Platelet-derived growth factor D
UniProt Gene Name	Pdgfd
UniProt Synonym Gene Names	Scdgb; PDGF-D; SCDGF-B; PDGFD latent form; PDGFD receptor-binding form
UniProt Entry Name	PDGFD_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pdgf-d-antibody-immunohistochemistry-elisa/255062>