Best Tools for immunology Research

# PDGF-C Polyclonal Antibody

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| **Catalog No :** | YT5952 |
| **Reactivity :** | Human;Mouse;Rat |
| **Applications :** | IHC;IF;ELISA |
| **Target :** | PDGF-C |
| **Fields :** | >>EGFR tyrosine kinase inhibitor resistance;>>MAPK signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>Calcium signaling pathway;>>Phospholipase D signaling pathway;>>PI3K-Akt signaling pathway;>>Focal adhesion;>>Gap junction;>>Regulation of actin cytoskeleton;>>Prostate cancer;>>Melanoma;>>Choline metabolism in cancer |
| **Gene Name :** | PDGFC SCDGF UNQ174/PRO200 |
| **Protein Name :** | Platelet-derived growth factor C (PDGF-C) (Fallotein) (Spinal cord-derived growth factor) (SCDGF) (VEGF-E) [Cleaved into: Platelet-derived growth factor C, latent form (PDGFC latent form); Platelet-de |
| **Human Gene Id :** | 56034 |
| **Human Swiss Prot No :** | Q9NRA1 |
| **Mouse Gene Id :** | 54635 |
| **Mouse Swiss Prot No :** | Q8CI19 |
| **Rat Swiss Prot No :** | Q9EQX6 |
| **Immunogen :** | Synthetic peptide from human protein at AA range: 61-110 |
| **Specificity :** | The antibody detects endogenous PDGF-C |
| **Formulation :** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source :** | Polyclonal, Rabbit,IgG |

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| **Dilution :** | IHC 1:50-200, ELISA 1:10000-20000. IF 1:50-200 |
| **Purification :** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Concentration :** | 1 mg/ml |
| **Storage Stability :** | -15°C to -25°C/1 year(Do not lower than -25°C) |
| **Cell Pathway :** | Cytokine-cytokine receptor interaction;Focal adhesion;Gap junction;Regulates Actin and Cytoskeleton;Prostate cancer;Melanoma; |
| **Background :** | platelet derived growth factor C(PDGFC) Homo sapiens The protein encoded by this gene is a member of the platelet-derived 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. This gene product appears to form only homodimers. It differs from the platelet-derived growth factor alpha and beta polypeptides in having an unusual N-terminal domain, the CUB domain. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2010], |
| **Function :** | developmental stage:In the fetal kidney, detected in the developing mesangium, ureteric bud epithelium and the undifferentiated mesenchyme (at protein level).,disease:Downstream target of EWSR1 fusion proteins, contributing to the Ewin family tumors (EFT) malignant phenotype.,disease:Expression increased in patients with uterine leiomyoma (UL).,disease:Predominant PDGF isoform present in patients with proliferative vitreoretinopathy (PVR). Plasmin is the major protease that processes PDGFC in the vitreous of PVR patients.,disease:The medulloblastoma phenotype is associated with PDGFR alpha expression and activation, with PDGFC as a major player in such endogenous autocrine loop.,function: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 sta |
| **Subcellular Location :** | Cytoplasm, cytosol . Secreted . Nucleus . Cytoplasmic granule . Cell membrane . Sumoylated form is predominant in the nucleus (PubMed:15247255). Stored in alpha granules in platelets (PubMed:15061151). . |
| **Expression :** | Expressed in the fallopian tube, vascular smooth muscle cells in kidney, breast and colon and in visceral smooth muscle of the gastrointestinal tract. Highly expressed in retinal pigment epithelia. Expressed in medulloblastoma. In the kidney, constitutively expressed in parietal epithelial cells of Bowman's capsule, tubular epithelial cells and in arterial endothelial cells (at protein level). Highly expressed in the platelets, prostate, testis and uterus. Higher expression is observed in uterine leiomyomata. Weaker expression in the spleen, thymus, heart, pancreas, liver, ovary cells and small intestine, and negligible expression in the colon and peripheral blood leukocytes. |

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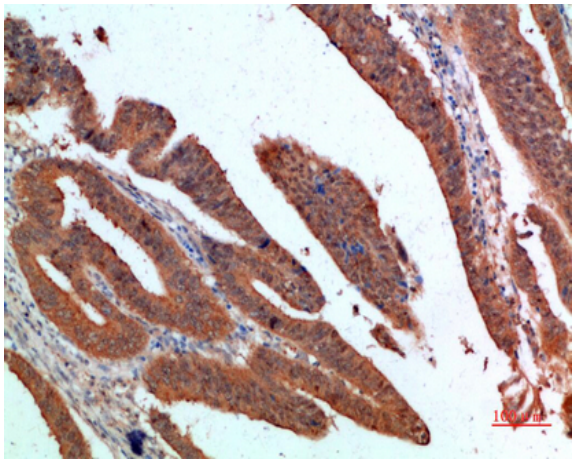
| **Sort :** | 11749 |
| **No4 :** | 1 |
| **Host :** | Rabbit |
| **Modifications :** | Unmodified |

## Products Images



Immunohistochemical analysis of paraffin-embedded human-colon-cancer, antibody was diluted at 1:200