RecomAb™

# PDGFRA recombinant monoclonal antibody, clone R06-7D7

Catalog # RAB02015 Size 100 uL

## Specification

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|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human PDGFRA. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against recombinant protein corresponding to human PDGFRA. |
| **Theoretical MW (kDa)** | Calculated MW: 123 k |
| **Reactivity** | Human, Mouse, Rat |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (CHO) expression system |
| **Purification** | Affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunofluorescence (1:50-1:200)<br>Immunohistochemistry (1:50-1:100)<br>Immunoprecipitation (1:20)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA). |
| **Storage Instruction** | Store at -20 °C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry

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- Immunofluorescence
- Immunoprecipitation
- Western Blot

## Gene Info — PDGFRA

| | |
|---|---|
| **Entrez GeneID** | 5156 |
| **Protein Accession#** | P16234 |
| **Gene Name** | PDGFRA |
| **Gene Alias** | CD140A, MGC74795, PDGFR2, Rhe-PDGFRA |
| **Gene Description** | platelet-derived growth factor receptor, alpha polypeptide |
| **Omim ID** | 173490 606764 607685 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived gro wth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. Studies in knockout mice, where homozygosity is lethal, indicate that the alpha form of the platelet-derived growth factor receptor is particularly important for kidney development since mice heterozygous for the receptor exhibit defective kidney phenotypes. [provided by RefSe q |
| **Other Designations** | FIP1L1/PDGFRA fusion protein\|platelet-derived growth factor receptor alpha\|rearranged-in-hyper eosinophilia-platelet derived growth factor receptor alpha fusion protein |

## Pathway

- Calcium signaling pathway
- Colorectal cancer
- Cytokine-cytokine receptor interaction
- Endocytosis
- Focal adhesion

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- Gap junction
- Glioma
- MAPK signaling pathway
- Melanoma
- Pathways in cancer
- Prostate cancer
- Regulation of actin cytoskeleton

## Disease

- Acute Disease
- Adenocarcinoma
- Alzheimer disease
- Aneuploidy
- Asthma
- Brain Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Coronary Artery Disease
- Coronary Disease
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Edema
- Esophageal Neoplasms

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- Gastrointestinal Stromal Tumors
- Genetic Predisposition to Disease
- Glioblastoma
- Hyperparathyroidism
- Leukemia
- Liver Neoplasms
- Lymphatic Metastasis
- Malignant melanoma
- Meningomyelocele
- Metabolic Syndrome X
- Neoplasm Recurrence
- Neoplasms
- Neural Tube Defects
- Osteoporosis
- Pancreatic cancer
- Pancreatic Neoplasms
- Spinal Dysraphism
- Subdural Effusion
- Tobacco Use Disorder
- Tooth Abnormalities
- Uterine Cervical Neoplasms
- Vitiligo

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