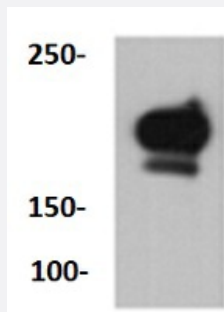


RecomAb™

# PDGFRB recombinant monoclonal antibody

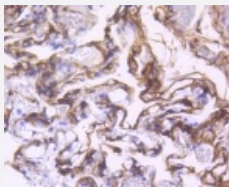
Catalog # RAB02720      Size 100 uL

## Applications



### Western Blot (Cell lysate)

Western blot analysis of Lane1:NIH/3T3 whole cell lysate with PDGFRB recombinant monoclonal antibody (Cat # RAB02720) at 1:1000 dilution.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung tissue using PDGFRB recombinant monoclonal antibody (Cat # RAB02720). Counter stained with hematoxylin.

## Specification

|                             |                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>  | Rabbit recombinant monoclonal antibody raised against PDGFRB.                                         |
| <b>Antibody Species</b>     | Rabbit                                                                                                |
| <b>Immunogen</b>            | Original antibody is raised against recombinant PDGFRB.                                               |
| <b>Theoretical MW (kDa)</b> | 124, 190                                                                                              |
| <b>Reactivity</b>           | Human, Mouse, Rat                                                                                     |
| <b>Specificity</b>          | This antibody detects endogenous levels of PDGFR-beta and does not cross-react with related proteins. |

|                     |                                                                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Form                | Liquid                                                                                                                                  |
| Purification        | Protein A purification                                                                                                                  |
| Isotype             | IgG                                                                                                                                     |
| Recommend Usage     | Immunohistochemistry (1:50-1:200)<br>Western Blot (1:1000-1:5000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)                                                                                     |
| Storage Instruction | Store at 4°C short term.<br>Aliquot and store at -20°C long term.<br>Avoid freeze-thaw cycles.                                          |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                  |

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## Gene Info — PDGFRB

|                    |                                                           |
|--------------------|-----------------------------------------------------------|
| Entrez GeneID      | <a href="#">5159</a>                                      |
| Protein Accession# | <a href="#">P09619</a>                                    |
| Gene Name          | PDGFRB                                                    |
| Gene Alias         | CD140B, JTK12, PDGF-R-beta, PDGFR, PDGFR1                 |
| Gene Description   | platelet-derived growth factor receptor, beta polypeptide |
| Omim ID            | <a href="#">131440</a> <a href="#">173410</a>             |
| Gene Ontology      | <a href="#">Hyperlink</a>                                 |

**Gene Summary**

This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth 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. This gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia. [provided by RefSeq]

**Other Designations**

beta platelet-derived growth factor receptor|platelet-derived growth factor receptor beta|soluble PDGFRb variant 1

## Pathway

- [Calcium signaling pathway](#)
- [Colorectal cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)

## Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Schizophrenia](#)
- [Subdural Effusion](#)