

# PDGFRB Rabbit mAb

Catalog No.: A19531   **Recombinant**   **4 Publications**

## Basic Information

### Observed MW

190kDa

### Calculated MW

124kDa

### Category

Primary antibody

### Applications

WB, IF/ICC, ELISA

### Cross-Reactivity

Human, Mouse

### Clone/No. number

ARC0009

## Background

The protein encoded by this gene is 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 (PDGFB or PDGFD) or a heterodimer (PDGFA and PDGFB). This gene is essential for normal development of the cardiovascular system and aids in rearrangement of the actin cytoskeleton. 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 ETV6 gene, results in chronic myeloproliferative disorder with eosinophilia.

## Recommended Dilutions

**WB**                    1:1000 - 1:2000

**IF/ICC**                1:50 - 1:200

**ELISA**                Recommended starting concentration is 1 µg/mL.  
Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

5159

### Swiss Prot

P09619

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

IMF1; KOGS; IBGC4; JTK12; PDGFR; PENTT; CD140B; PDGFR1; PDGFR-1; PDGFRB

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

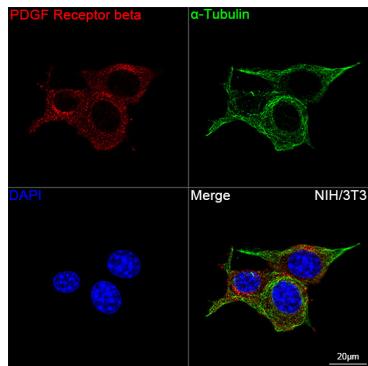
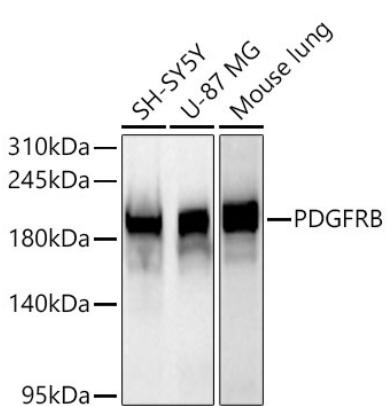
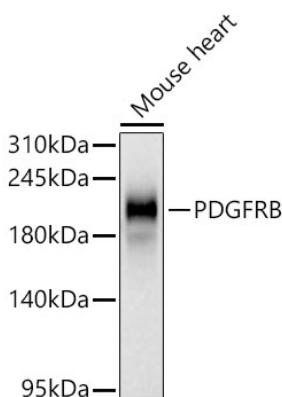
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data



Confocal imaging of NIH/3T3 cells using PDGFRB Rabbit mAb (A19531, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.