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# Phospho-PDGFRB-Y1021 Rabbit pAb



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Catalog No.: AP0815 3 Publications

### **Basic Information**

### **Observed MW**

190kDa

### **Calculated MW**

124kDa

#### Category

Polyclonal Antibody

### **Applications**

WB, ELISA

### **Cross-Reactivity**

Human, Mouse, Rat

# 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 colonystimulating 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 1:500 - 1:2000

**ELISA** 

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

# **Immunogen Information**

**Gene ID Swiss Prot** 5159 P09619

### **Immunogen**

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

### **Synonyms**

IMF1; KOGS; IBGC4; JTK12; PDGFR; PENTT; CD140B; PDGFR1; PDGFR-1; Phospho-PDGFRB-Y1021

### Contact

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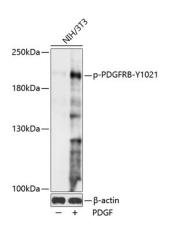
# **Product Information**

Source **Isotype Purification** Rabbit Affinity purification IgG

### Storage

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

# **Validation Data**



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-PDGFRB-Y1021 Rabbit pAb (AP0815) at 1:1000 dilution. NIH/3T3 cells were treated with PDGF (100ng/mL) for 30 minutes after serum-starvation overnight.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10s.