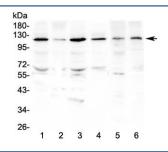


# PDGFRB Antibody (RQ4436)

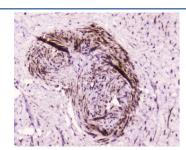
Catalog No.	Formulation	Size
RQ4436	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

## **Bulk quote request**

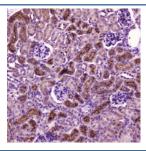
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P09619
Localization	Cell membrane, cytoplasm
Applications	Western Blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This PDGFRB antibody is available for research use only.



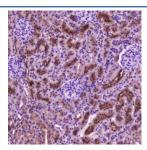
Western blot testing of human 1) HeLa, 2) HepG2, 3) SGC-7901, 4) K562, 5) rat testis and 6) mouse testis lysate with PDGFRB antibody at 0.5ug/ml. Expected molecular weight: 123-190 kDa depending on level of glycosylation.



IHC testing of FFPE human placental tissue with PDGFRB antibody at 2 ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE mouse kidney tissue with PDGFRB antibody at 2 ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE rat kidney tissue with PDGFRB antibody at 2 ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

### **Description**

Beta-type platelet-derived growth factor receptor is a protein that in humans is encoded by the PDGFRB gene. 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 granulocytemacrophage 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.

#### **Application Notes**

Optimal dilution of the PDGFRB antibody should be determined by the researcher.

#### **Immunogen**

Human PDGFRB recombinant protein (amino acids E911-L992) was used as the immunogen for the PDGFRB antibody.

#### **Storage**

After reconstitution, the PDGFRB antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.