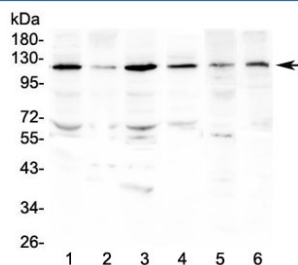


PDGFRB Antibody (RQ4436)

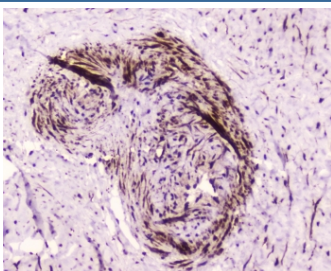
Catalog No.	Formulation	Size
RQ4436	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

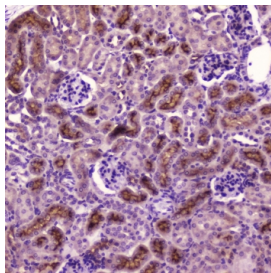
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P09619
Localization	Cell membrane, cytoplasm
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.



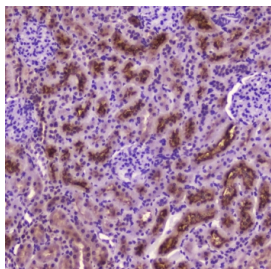
Western blot testing of human 1) HeLa, 2) HepG2, 3) SGC-7901, 4) K562, 5) rat testis and 6) mouse testis lysate with PDGFRB antibody at 0.5ug/ml. Expected molecular weight: 123-190 kDa depending on level of glycosylation.



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 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.

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.