

Datasheet for ABIN6654145

anti-PDGFRB antibody (AA 911-992)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	PDGFRB
Binding Specificity:	AA 911-992
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDGFRB antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Human PDGFRB recombinant protein (amino acids E911-L992) was used as the immunogen for the PDGFRB antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	PDGFRB
Alternative Name:	Platelet Derived Growth Factor Receptor beta / PDGFRB (PDGFRB Products)
Background:	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

Target Details

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.

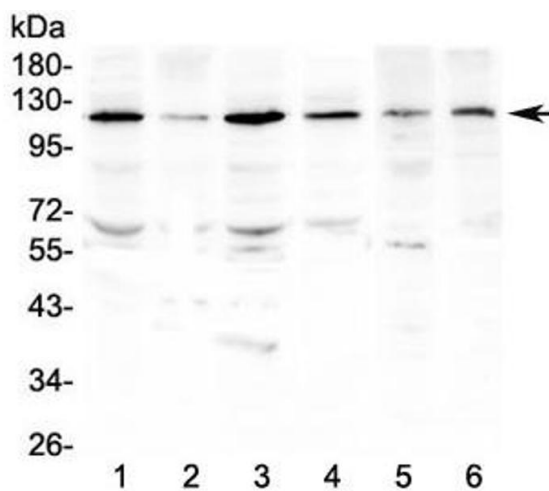
UniProt:	P09619
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Inositol Metabolic Process , Glycosaminoglycan Metabolic Process , Smooth Muscle Cell Migration , Platelet-derived growth Factor Receptor Signaling

Application Details

Application Notes:	Optimal dilution of the PDGFRB antibody should be determined by the researcher.\. Western blot: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 1-2 µg/mL,Direct ELISA: 0.1-0.5 µg/mL
Restrictions:	For Research Use only

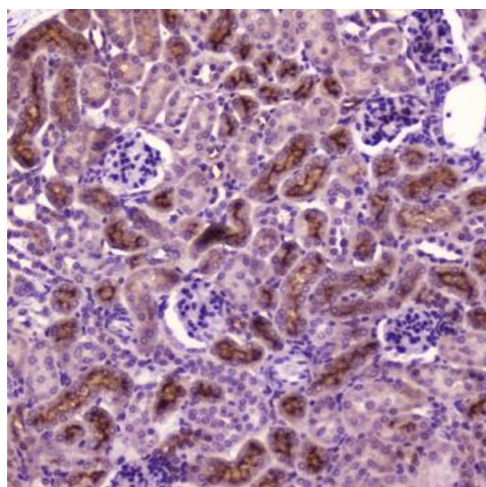
Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the PDGFRB antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.



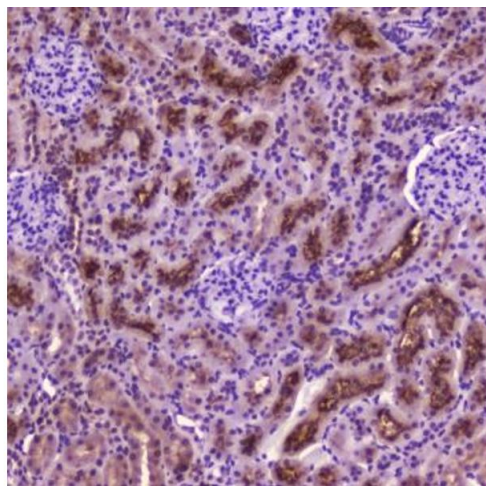
Western Blotting

Image 1. 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.



Immunohistochemistry

Image 2. 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.



Immunohistochemistry

Image 3. 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.