

Datasheet for ABIN392027

**anti-PDGFR $\alpha$  antibody (AA 746-775)**[Go to Product page](#)**2** Images

## Overview

Quantity:	400 $\mu$ L
Target:	PDGFR $\alpha$
Binding Specificity:	AA 746-775
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDGFR $\alpha$ antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This PDGFR $\alpha$ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 746-775 amino acids from human PDGFR $\alpha$ .
Clone:	RB11119
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	PDGFR $\alpha$
Alternative Name:	PDGFR $\alpha$ ( <a href="#">PDGFR<math>\alpha</math> Products</a> )

## Target Details

Background:	PDGFRA 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 or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. Studies in knockout mice, where homozygosity is lethal, indicate that the alpha form of the platelet-derived growth factor receptor is particularly important for kidney development since mice heterozygous for the receptor exhibit defective kidney phenotypes.
Molecular Weight:	122670
Gene ID:	5156
NCBI Accession:	<a href="#">NP_006197</a>
UniProt:	<a href="#">P16234</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a>

## Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

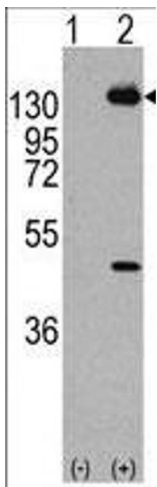
## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with PDGFRA Antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



**Western Blotting**

**Image 2.** Western blot analysis of PDGFRA (arrow) using rabbit polyclonal PDGFRA Antibody (R). 293 cell lysates (2  $\mu$  g/lane) either nontransfected (Lane 1) or transiently transfected with the PDGFRA gene (Lane 2) (Origene Technologies).