

Datasheet for ABIN6241032  
**anti-PDGFRB antibody (pTyr579)**



[Go to Product page](#)

1 Image 1 Publication

## Overview

Quantity:	400 µL
Target:	PDGFRB
Binding Specificity:	pTyr579
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDGFRB antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This Phospho-PDGFR-Y579 antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y579 of human PDGFR.
Clone:	RB5692
Isotype:	Ig Fraction
Predicted Reactivity:	C, Zf, M, Rat, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	PDGFRB
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## Target Details

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Alternative Name:	PDGFR ( <a href="#">PDGFRB Products</a> )
Background:	PDGFR 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. The gene for this protein 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 translocation, ETS, leukemia gene, results in chronic myelomonocytic leukemia.
Molecular Weight:	123968
NCBI Accession:	<a href="#">NP_002600</a>
UniProt:	<a href="#">P09619</a>
Pathways:	<a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Glycosaminoglycan Metabolic Process</a> , <a href="#">Smooth Muscle Cell Migration</a> , <a href="#">Platelet-derived growth Factor Receptor Signaling</a>

## Application Details

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Application Notes:	IHC-P: 1:50~100
Restrictions:	For Research Use only

## Handling

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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
Expiry Date:	6 months

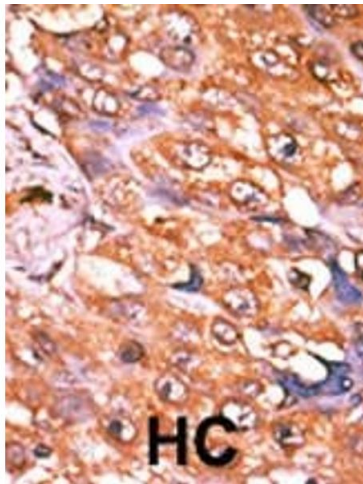
## Publications

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Product cited in: Guo, Reinitz, Youssef, Hong, Nathanson, Akhavan, Kuga, Amzajerdi, Soto, Zhu, Babic, Tanaka, Dang, Iwanami, Gini, Dejesus, Lisiero, Huang, Prins, Wen, Robins, Prados, Deangelis, Mellinghoff, Mehta et al.: "An LXR agonist promotes glioblastoma cell death through inhibition of an EGFR/AKT/SREBP-1/LDLR-dependent pathway. ..." in: **Cancer discovery**, Vol. 1, Issue 5, pp. 442-56, (2012) ([PubMed](#)).

## Images

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### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.