

Datasheet for ABIN544893

**anti-PDGFR $\alpha$  antibody (Tyr762)****2** Images**3** Publications[Go to Product page](#)

## Overview

Quantity:	400 $\mu$ L
Target:	PDGFR $\alpha$
Binding Specificity:	Tyr762
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

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of PDGFR $\alpha$ .
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding Y762 of human PDGFR $\alpha$ .
Cross-Reactivity:	Human

## Target Details

Target:	PDGFR $\alpha$
Alternative Name:	CD140a / PDGFR $\alpha$ ( <a href="#">PDGFR<math>\alpha</math> Products</a> )
Gene ID:	5156
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">EGFR Signaling Pathway</a> , <a href="#">Neurotrophin</a>

## Target Details

Signaling Pathway, Platelet-derived growth Factor Receptor Signaling

## Application Details

Application Notes: Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:10-50)  
Western Blot (1:1000)  
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: In PBS (0.09 % 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: Store at 4°C. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

## Publications

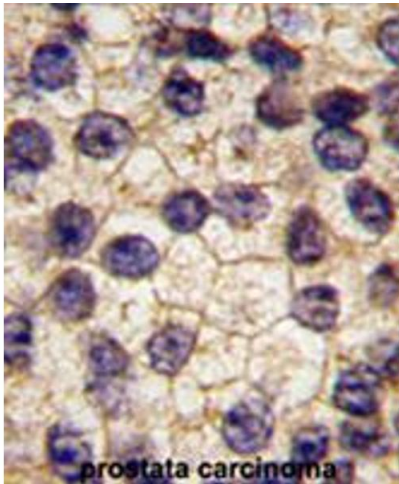
Product cited in: Hiwatari, Taki, Tsuchida, Hanada, Hongo, Sako, Hayashi: "Novel missense mutations in the tyrosine kinase domain of the platelet-derived growth factor receptor alpha(PDGFRα) gene in childhood acute myeloid leukemia with t(8;21)(q22;q22) or inv(16)(p13q22)." in: **Leukemia**, Vol. 19, Issue 3, pp. 476-7, (2005) ([PubMed](#)).

Debiec-Rychter, Cools, Dumez, Sciot, Stul, Mentens, Vranckx, Wasag, Prenen, Roesel, Hagemeyer, Van Oosterom, Marynen: "Mechanisms of resistance to imatinib mesylate in gastrointestinal stromal tumors and activity of the PKC412 inhibitor against imatinib-resistant mutants." in: **Gastroenterology**, Vol. 128, Issue 2, pp. 270-9, (2005) ([PubMed](#)).

Mason, Idrobo, Early, Abibi, Zheng, Harrison, Carney: "CS-dependent response probability in an auditory masked-detection task: considerations based on models of Pavlovian conditioning." in: **The Quarterly journal of experimental psychology. B, Comparative and physiological**

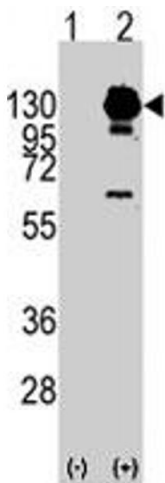
psychology, Vol. 56, Issue 2, pp. 193-205, (2003) ([PubMed](#)).

Images



Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin-embedded human prostate carcinoma tissue reacted with PDGFRA polyclonal 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 PDGFRA polyclonal antibody . 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PDGFRA gene (Lane 2) (Origene Technologies).