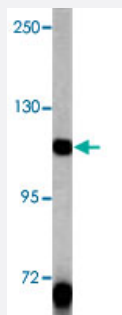


PDGFRA polyclonal antibody

Catalog # PAB3372

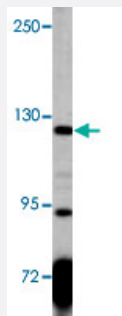
Size 400 uL

Applications



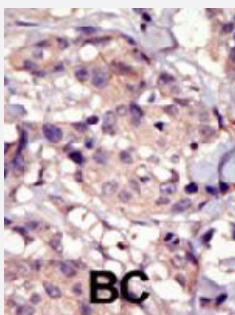
Western Blot (Tissue lysate)

Western blot analysis of mouse lung tissue lysate (35 ug/lane) with PDGFRA polyclonal antibody (Cat # PAB3372).



Western Blot (Cell lysate)

Western blot analysis of K-562 cell lysate (35 ug/lane) with PDGFRA polyclonal antibody (Cat # PAB3372).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with PDGFRA polyclonal antibody (Cat # PAB3372), 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. BC = breast carcinoma.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of PDGFRA.

Immunogen

A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PDGFRA.

Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	Flow Cytometry (1:10-50) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of mouse lung tissue lysate (35 ug/lane) with PDGFRA polyclonal antibody (Cat # PAB3372).

- Western Blot (Cell lysate)

Western blot analysis of K-562 cell lysate (35 ug/lane) with PDGFRA polyclonal antibody (Cat # PAB3372).

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- Flow Cytometry

Gene Info — PDGFRA

Entrez GeneID	5156
Protein Accession#	P16234
Gene Name	PDGFRA

Gene Alias	CD140A, MGC74795, PDGFR2, Rhe-PDGFR
Gene Description	platelet-derived growth factor receptor, alpha polypeptide
Omim ID	173490 606764 607685
Gene Ontology	Hyperlink
Gene Summary	This gene encodes 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. [provided by RefSeq]
Other Designations	FIP1L1/PDGFR fusion protein platelet-derived growth factor receptor alpha rearranged-in-hyper eosinophilia-platelet derived growth factor receptor alpha fusion protein

Publication Reference

- [A tyrosine kinase created by fusion of the PDGFR and FIP1L1 genes as a therapeutic target of imatinib in idiopathic hypereosinophilic syndrome.](#)

Cools J, DeAngelo DJ, Gotlib J, Stover EH, Legare RD, Cortes J, Kutok J, Clark J, Galinsky I, Griffin JD, Cross NC, Tefferi A, Malone J, Alam R, Schrier SL, Schmid J, Rose M, Vandenberghe P, Verhoef G, Boogaerts M, Wlodarska I, Kantarjian H, Marynen P, Coutre SE, Stone R, Gilliland DG.

The New England Journal of Medicine 2003 Mar; 348(13):1201.

- [PDGFR activating mutations in gastrointestinal stromal tumors.](#)

Heinrich MC, Corless CL, Duensing A, McGreevey L, Chen CJ, Joseph N, Singer S, Griffith DJ, Haley A, Town A, Demetri GD, Fletcher CD, Fletcher JA.

Science 2003 Jan; 299(5607):708.

Application: WB-Ti, WB-Tr, Human, Mouse, Gastrointestinal stromal tumor, CHO cells

- [Platelet-derived growth factor-B and -C and active alpha-receptors in medulloblastoma cells.](#)

Andrae J, Molander C, Smits A, Funa K, Nister M.

Biochemical and Biophysical Research Communications 2002 Aug; 296(3):604.

Application: IP, Human, AG 1518, D283 Med, D324 Med, PFSK-1, D341 Med

Pathway

- [Calcium signaling pathway](#)
- [Colorectal cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Aneuploidy](#)
- [Asthma](#)
- [Brain Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Gastrointestinal Stromal Tumors](#)
- [Genetic Predisposition to Disease](#)
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- [Tobacco Use Disorder](#)
- [Tooth Abnormalities](#)
- [Uterine Cervical Neoplasms](#)

- [Vitiligo](#)