

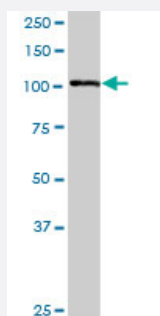
MaxPab®

PDGFRB purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005159-D01P

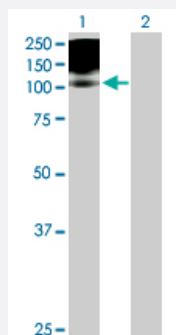
Size 100 ug

Applications



Western Blot (Tissue lysate)

PDGFRB MaxPab rabbit polyclonal antibody. Western Blot analysis of PDGFRB expression in mouse testis.

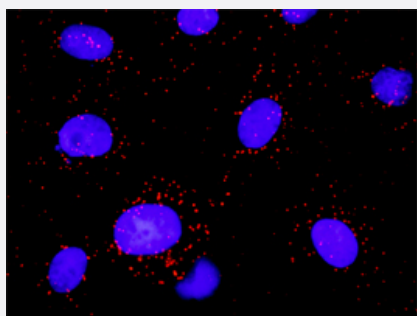


Western Blot (Transfected lysate)

Western Blot analysis of PDGFRB expression in transfected 293T cell line ([H00005159-T01](#)) by PDGFRB MaxPab polyclonal antibody.

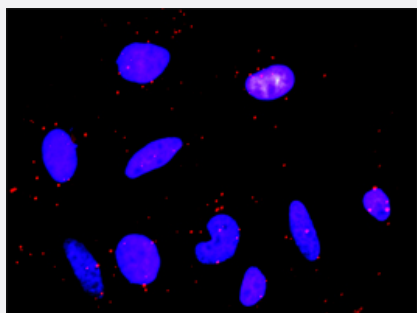
Lane 1: PDGFRB transfected lysate(124.00 KDa).

Lane 2: Non-transfected lysate.



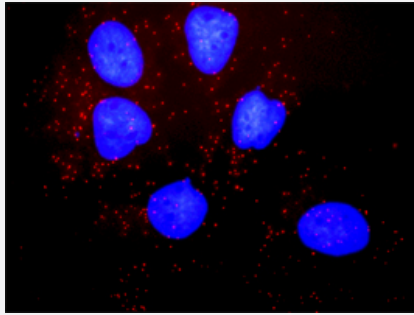
In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between PDGFRB and PLCG1. Mahlavu cells were stained with anti-PDGFRB rabbit purified polyclonal 1:600 and anti-PLCG1 mouse monoclonal antibody 1:100. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between PDGFRB and PIK3R3. HeLa cells were stained with anti-PDGFRB rabbit purified polyclonal 1:1200 and anti-PIK3R3 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between PDGFRB and SLC9A3R1. Huh7 cells were stained with anti-PDGFRB rabbit purified polyclonal 1:1200 and anti-SLC9A3R1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PDGFRB protein.
Immunogen	PDGFRB (AAH32224.1, 1 a.a. ~ 1106 a.a) full-length human protein.
Sequence	MRLPGAMPALALKGELLLLSLLLLLEPQISQGLVVTTPPGPELVLNVSSTFVLTCSGSAPVWERM SQEPPEMAKAQDGTFFSSVLTLTNLTGLDTGEYFCTHND SRGLETDERKRLYIFVPDPTVGFLPN DAEELFIFL TEITEITPCRVTD PQLVVT LHEKKGDVALPVPYDHQRGFFGIFEDRSYICKTTIGDREV DSDAYVYRLQVSSINVS VNAVQT VVRQGENITLMCVIGNEVVNFEW TYPRKESGRLVEPVTD FL LDMPYHIRSILHPSAELED SGTYTCNVTESVNDHQDEKAINITV VESGYVRL LGEVGT LQFAELHRS RTLQVVFEAYPPPTVLWFKDNRTLGDSSAGEIALSTRNVSETRYVSELTLVRVKVAEAGHYTMRA FHEDA EVQLSFQLQINVPVRVLELSESHPD SGEQTVRCRGRGMPQPNIWSACRDLKRCPRELP PTLLGNSSEEEESQLETNVTYWEEEQEF EVVSTLRLQHVD RPLSVRCTL RNAVGQDTQEIVVPHS LPFKVVVISAILALVVLTIISLIILMLWQKKPRYEIRWKVIESVSSDGHEYVYDPMQLPYDSTWELPR DQLVLGRTLGS GAFGQVVEATAHGLSHSQATMKVAVKMLKSTAR SSEKQALMSELKIMSHLGPH LNVVNLLGACTKGGPMITEYCRYGDLVDYLHRNKHTFLQHHS DKRRPPSAELYSNALPVGLPLPS HVSLTGESDGGYMDMSKDESVDYVPM LDMKGDVKYADIESSNYMAPYDNYVPSAPERTCRATLI NESPVL SYMDLVGFSYQVANGMEFLASKNCVHRDLAARNVLICEGKLVKICDFGLARDIMRDSNY SKGSTFLPLKWMAPESIFNSLYTTLSDVWSFGILLWEIFTLGGTPYPELPMNEQFYNAIKRGYRMAQ PAHASDEIYEIMQKCWEEKFEIRPPFSQLVLLERLLGEGYKKKYQQVDEEFLRSDHPAILRSQAR LPGFHGLRSPLDTSSVLYTAVQPNEGDN DYIPLDPKPEVADEGPLEGSPSLASSTLNEVNTSST ISCDSPLEPQDEPEPEPQLELQVEPEPELEQLPD SGCPAPRAEAEDSFL
Host	Rabbit
Reactivity	Human, Mouse
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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[Protocol Download](#)

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Gene Info — PDGFRB

Entrez GeneID [5159](#)

GeneBank Accession# [BC032224](#)

Protein Accession# [AAH32224.1](#)

Gene Name PDGFRB

Gene Alias CD140B, JTK12, PDGF-R-beta, PDGFR, PDGFR1

Gene Description platelet-derived growth factor receptor, beta polypeptide

Omim ID [131440 173410](#)

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. 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 translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia. [provided by RefSeq]

Other Designations

beta platelet-derived growth factor receptor|platelet-derived growth factor receptor beta|soluble PDGFRb variant 1

Pathway

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

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Schizophrenia](#)
- [Subdural Effusion](#)