

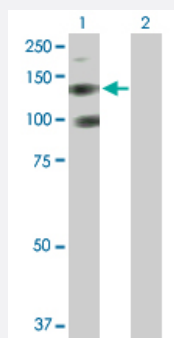
MaxPab®

PDGFRA purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005156-D01P

Size 100 ug

Applications

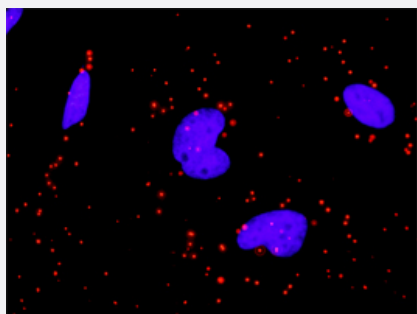


Western Blot (Transfected lysate)

Western Blot analysis of PDGFRA expression in transfected 293T cell line ([H00005156-T01](#)) by PDGFRA MaxPab polyclonal antibody.

Lane 1: PDGFRA transfected lysate(122.70 kDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between PDGFRA and PIK3R1. HeLa cells were stained with anti-PDGFRA rabbit purified polyclonal 1:1200 and anti-PIK3R1 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 PDGFRA protein.

Immunogen

PDGFRA (ENSP00000257290, 1 a.a. ~ 1089 a.a) full-length human protein.

Sequence	MGTSHPAFLVLGCLLTGLSLILCQLSLPSILPNENKVVQLNSSFSLRCFGESEVSWQYPMSEEE SSDVEIRNEENNSGLFVTVLEVSSASAAHTGLYTCYNNHTQTEENELEGRHMYVPDPDVAFVPLG MTDYLVIVEDDDSAIIPCRTTDPETPVTLHNSEGVVPASYDSRQGFNGTFTVGPYCEATVKGKKF QTIPFNVYALKATSELDLEMEALKTVYKSGETIVTCAVFNNEVVDLQWTYPGEVKGKGITMLEEIK VPSIKLVYTLTVPEATVKDSGDYECARQATREVKEMKKVTISVHEKGFIKPTFSQLEAVNLHEV KHFVVEVRAYPPRISWLKNNLTIENLTEITDVEKIQEIRYRSKLKLIRAKEEDSGHYTVAQNEDA VKSyTFELLTQVPSSILDLDVDDHHGSTGGQTVRCTAEGTPLDIEWMICKDIKKNNETSWTILANN VSNITEIHSRDRSTVEGRVTFKVEETIAVRCLAKNLLGAENRELKLVAPTLRSELTVA AAVLVLLVI VIISLMLVVIWKQKPRYEIRWRVIESISPDGHEYVYDPMQLPYDSRWEFPRDGLVLGRVLGSGAFG KVVEGTAYGLSRSPVMKVAVKMLKPTARSSEKQALMSELKIMTHLGPHLNVNLLGACTKSGPIY IITEYCFYGDLVNYLHKNRDSFLSHHPEKPKKELDIFGLNPADESTRSYVILSFENNGDYMDMKQAD TTQYVPMLEKEVSKYSIQRSLYDRPASYYKKKSMLDSEVKNNLSDDNSEGLTLLDLLSFTYQVA RGMEFLASKNCVHRDLAARNVLLAQGKVKICDFGLARDIMHDSNYVSKGSTFLPVKWMAPESIF DNLYTTLSDVWSYGILLWEIFSLGGTPYGMMDSTFYNKIKSGYRMAKPDHATSEVYEIMVKCWN SEPEKRPsfyHLSEVENLLPGQYKKSyeKIHLDFLKSDHPAVARMRVDSNAYIGVTYKNEEDKL KDWEGLDEQRLSADSGYIPLPDIDPVPEEEDLGKRNHRSSQTSEESA IETGSSSSTFIKREDETI EDIDMMDDIGIDSSDLVEDSFL
Host	Rabbit
Reactivity	Human
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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Lane 2: Non-transfected lysate.

[Protocol Download](#)

● *In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between PDGFRA and PIK3R1. HeLa cells were stained with anti-PDGFRA rabbit purified polyclonal 1:1200 and anti-PIK3R1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — PDGFRA

Entrez GeneID	5156
GeneBank Accession#	NM_006206.3
Protein Accession#	ENSP00000257290
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

- [Characterization of binding and quantification of human autoantibodies to PDGFRα using a biosensor-based approach.](#)

Moroncini G, Cuccioloni M, Mozzicafreddo M, Pozniak KN, Grieco A, Paolini C, Tonnini C, Spadoni T, Svegliati S, Funaro A, Angeletti M, Gabrielli A.

Amino Acids 2017 Apr; 528:26.

Application: C-ELISA, Human, Serum from patients with Systemic sclerosis and healthy controls

- [Biosensor-based Binding Assay for Platelet-Derived Growth Factor Receptor-α Autoantibodies in Human Serum.](#)

Massimiliano Cuccioloni, Gianluca Moroncini, Matteo Mozzicafreddo, Katarzyna N Pozniak, Giulia Nacci, Antonella Grieco, Chiara Paolini, Cecilia Tonnini, Ada Funaro, Mauro Angeletti, and Armando Gabrielli.

Journal of Analytical & Bioanalytical Techniques 2013 May; 1.

Application: WB-Tr, Human, HeLa cells

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](#)
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- [Carcinoma](#)
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- [Vitiligo](#)