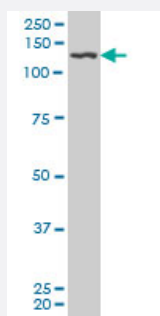


PDGFRB monoclonal antibody (M08), clone 4C12

Catalog # H00005159-M08

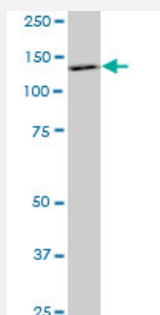
Size 100 ug

Applications



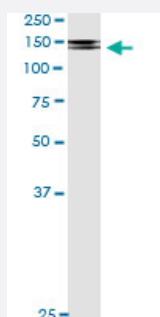
Western Blot (Tissue lysate)

PDGFRB monoclonal antibody (M08), clone 4C12. Western Blot analysis of PDGFRB expression in human stomach.



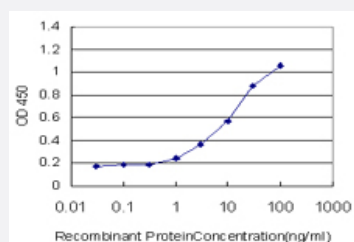
Western Blot (Tissue lysate)

PDGFRB monoclonal antibody (M08), clone 4C12. Western Blot analysis of PDGFRB expression in human uterus myoma.



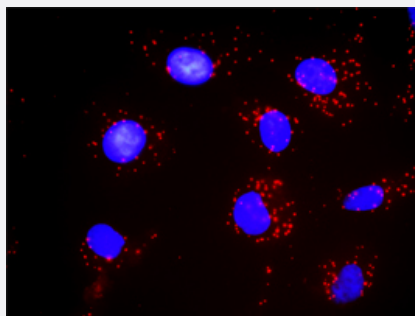
Immunoprecipitation

Immunoprecipitation of PDGFRB transfected lysate using anti-PDGFRB monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PDGFRB MaxPab rabbit polyclonal antibody.



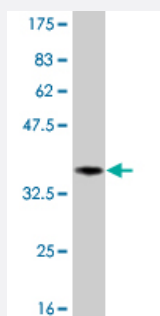
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PDGFRB is approximately 1ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between STAT1 and PDGFRB. Mahlavu cells were stained with anti-STAT1 rabbit purified polyclonal 1:1200 and anti-PDGFRB mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PDGFRB.
Immunogen	PDGFRB (AAH32224, 33 a.a. ~ 133 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	LVVTPPGPELVLNVSSTFVLTCSGSAPVWVERMSQEPPQEMAKAQDGTFFSVLTLTNLTGLDTGEYFCTHNDSRGLETDERKRLYIFVPDPTVGFLPNDAE
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

PDGFRB monoclonal antibody (M08), clone 4C12. Western Blot analysis of PDGFRB expression in human stomach.

[Protocol Download](#)

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Gene Info — PDGFRB

Entrez GeneID

[5159](#)

GeneBank Accession#

[BC032224](#)

Protein Accession#

[AAH32224](#)

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