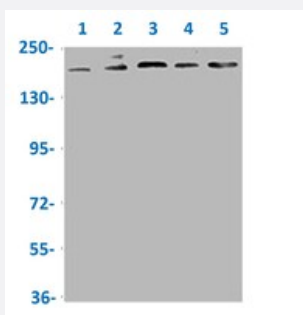


RecomAb™

PDGFRB (phospho Y740) recombinant monoclonal antibody, clone 3B8

Catalog # RAB04255 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: HeLa whole cell lysate (not treated), Lane 2: HeLa whole cell lysate (treated with EGF 100 ng/mL/20 mins), Lane 3: HeLa whole cell lysate (treated with Pervanadate), Lane 4: A549 whole cell lysate (not treated) and Lane 5: A549 whole cell lysate (treated with EGF 100 ng/mL/20 mins) with PDGFRB (phospho Y740) recombinant monoclonal antibody, clone 3B8 (Cat # RAB04255).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PDGFRB.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Y740 of human PDGFRB.
Theoretical MW (kDa)	Calculated MW: 190 k
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °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

Western blot analysis of Lane 1: Hela whole cell lysate (not treated), Lane 2: Hela whole cell lysate (treated with EGF 100 ng/mL/20 mins), Lane 3: Hela whole cell lysate (treated with Pervanadate), Lane 4: A549 whole cell lysate (not treated) and Lane 5: A549 whole cell lysate (treated with EGF 100 ng/mL/20 mins) with PDGFRB (phospho Y740) recombinant monoclonal antibody, clone 3B8 (Cat # RAB04255).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PDGFRB

Entrez GeneID	5159
Protein Accession#	P09619
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](#)