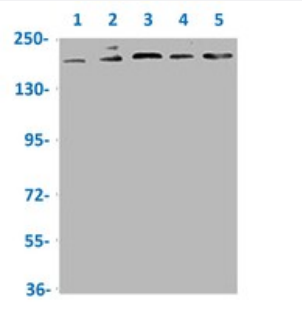
RecomAb™ Sm Size

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

Catalog # RAB08070 Size 50 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.

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 surroundin g Y740 of human PDGFRB.
Theoretical MW (kDa)	Calculated MW: 190 k
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG

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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 shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- 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.

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

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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

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- 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

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