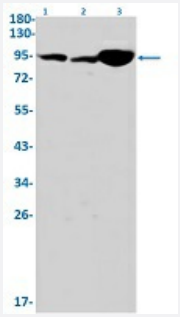
RecomAb™

IGF1R (phospho Tyr1166) recombinant monoclonal antibody, clone R06-6B1

Catalog # RAB02171 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: C6, Lane 2: 3T3 and Lane 3: Hela lysates with IGF1R (phospho Tyr1166) recombinant monoclonal antibody, clone R06-6B1 (Cat # RAB02171).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human IGF1R.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surrounding Tyr1166 of human IGF1R.
Theoretical MW (kDa)	Calculated MW: 155 k
Reactivity	Human, Mouse, Rat
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG

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Recommend Usage	Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at -20 °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

- Immunoprecipitation
- Western Blot

  Western Blot analysis of Lane 1: C6, Lane 2: 3T3 and Lane 3: Hela lysates with IGF1R (phospho Tyr1166) recombinant monoclonal antibody, clone R06-6B1 (Cat # RAB02171).

Gene Info — IGF1R

Entrez GeneID	3480
Protein Accession#	P08069
Gene Name	IGF1R
Gene Alias	CD221, IGFIR, JTK13, MGC142170, MGC142172, MGC18216
Gene Description	insulin-like growth factor 1 receptor
Omim ID	147370
Gene Ontology	Hyperlink
Gene Summary	This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the pr ecursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues w here it functions as an anti-apoptotic agent by enhancing cell survival. [provided by RefSeq
Other Designations	soluble IGF1R variant 1|soluble IGF1R variant 2

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Pathway

- Adherens junction
- Colorectal cancer
- Endocytosis
- Focal adhesion
- Glioma
- Long-term depression
- Melanoma
- Pathways in cancer
- Prostate cancer

Disease

- Abortion
- Adenocarcinoma
- Adenoma
- Alzheimer disease
- Anemia
- Aneuploidy
- Atherosclerosis
- Bacteremia
- Barrett Esophagus
- Birth Weight
- Body Weight
- Bone Diseases
- Brain Ischemia

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- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Colon cancer
- Colonic Neoplasms
- Colonic Polyps
- Colorectal Neoplasms
- Dementia
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Edema
- Esophageal Neoplasms
- Esophagitis
- Fetal Growth Retardation
- Fetal Membranes
- Gastroesophageal Reflux
- Genetic Predisposition to Disease
- Glucose Intolerance
- Growth Disorders
- Head and Neck Neoplasms
- Hyperplasia
- Hypertension

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- Insulin Resistance
- Intracranial Arteriosclerosis
- Kidney Failure
- Liver Neoplasms
- Lung Neoplasms
- Lymphoma
- Metabolic Syndrome X
- Metaplasia
- Microsatellite Instability
- Multiple Myeloma
- Neoplasms
- Obesity
- Obstetric Labor
- Osteoporosis
- Ovarian cancer
- Ovarian Failure
- Ovarian Neoplasms
- Pancreatic Neoplasms
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Recurrence

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- Retinopathy of Prematurity
- Schizophrenia
- Skin Neoplasms
- Spinal Diseases
- Stomach Neoplasms
- Stroke
- Testicular Neoplasms
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Werner syndrome

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