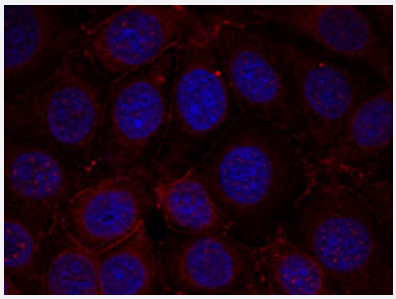
IGF1R (phospho Y1165/Y1166) polyclonal antibody

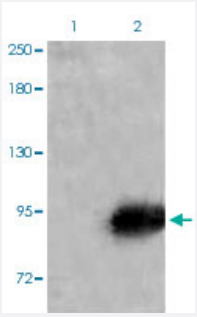
Catalog # PAB29602 Size 100 uL

Applications



Immunofluorescence

Immunofluorescent staining of methanol-fixed MCF-7 cells using IGF1R (phospho Y1165/Y1166) polyclonal antibody (Cat# PAB29602) at 1:100-1:200 dilution.



Western Blot (Cell lysate)

Western blot analysis of Lane 1: 293 cells, Lane 2: Insulin treated 293 cells with IGF1R (phospho Y1165/Y1166) polyclonal antibody (Cat# PAB29602) at 1:500-1:1000 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human IGF1R.
Immunogen	A synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y1165/Y1166 of human IGF1R.
Host	Rabbit
Theoretical MW (kDa)	200, 95
Reactivity	Human, Mouse, Rabbit
Specificity	IGF1R (phospho Y1165/Y1166) polyclonal antibody detects endogenous level of IGF1R only when phosphorylated at tyrosine 1165/tyrosine 1166.

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Form	Liquid
Purification	Affinity Chromatography
Recommend Usage	Immunofluorescence (1:100-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
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

- Immunofluorescence

  Immunofluorescent staining of methanol-fixed MCF-7 cells using IGF1R (phospho Y1165/Y1166) polyclonal antibody (Cat# PAB29602) at 1:100-1:200 dilution.

- Western Blot (Cell lysate)

  Western blot analysis of Lane 1: 293 cells, Lane 2: Insulin treated 293 cells with IGF1R (phospho Y1165/Y1166) polyclonal antibody (Cat# PAB29602) at 1:500-1:1000 dilution.

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

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Other Designations	soluble IGF1R variant 1|soluble IGF1R variant 2

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

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- Birth Weight
- Body Weight
- Bone Diseases
- Brain Ischemia
- 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

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- Growth Disorders
- Head and Neck Neoplasms
- Hyperplasia
- Hypertension
- 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

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- Prostatic Neoplasms
- Puberty
- Pulmonary Disease
- Recurrence
- 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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