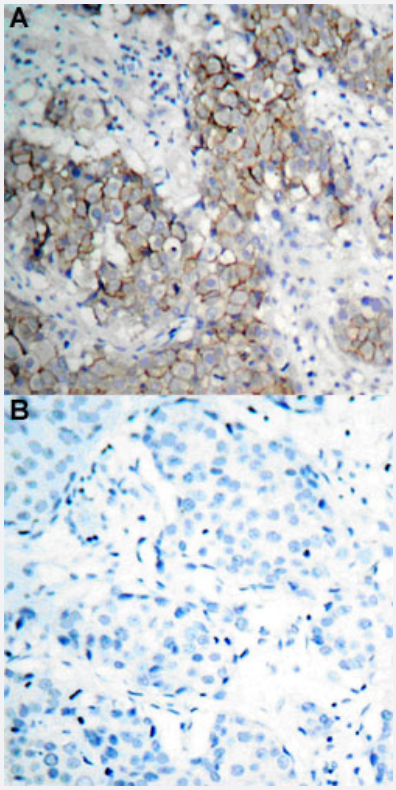
IGF1R (phospho Y1161) polyclonal antibody

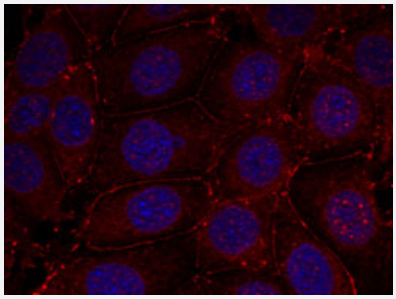
Catalog # PAB29601 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human breast cancer tissue by IGF1R (phospho Y1161) polyclonal antibody (Cat# PAB29601) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.



Immunofluorescence

Immunofluorescent staining of methanol-fixed MCF7 cells using IGF1R (phospho Y1161) polyclonal antibody (Cat# PAB29601) at 1:100-1:200 dilution.

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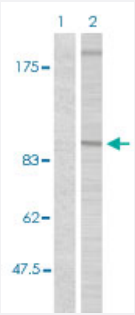

Western Blot (Cell lysate)

Western blot analysis of Lane 1: 293 cells, Lane 2: Insulin treated 293 cells with IGF1R (phospho Y1161) polyclonal antibody (Cat# PAB29601) 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 Y1161 of human IGF1R.
Host	Rabbit
Theoretical MW (kDa)	200, 95
Reactivity	Human, Mouse, Rabbit
Specificity	IGF1R (phospho Y1161) polyclonal antibody detects endogenous level of IGF1R only when phosphor ylated at tyrosine 1161.
Form	Liquid
Purification	Affinity Chromatography
Recommend Usage	Immunofluorescence (1:100-1:200) Immunohistochemistry (1:50-1:100) 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

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

  Immunofluorescent staining of methanol-fixed MCF7 cells using IGF1R (phospho Y1161) polyclonal antibody (Cat# PAB29601) 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 Y1161) polyclonal antibody (Cat# PAB29601) 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
Other Designations	soluble IGF1R variant 1|soluble IGF1R variant 2

Publication Reference

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- Procr functions as a signaling receptor and is essential for the maintenance and self-renewal of mammary stem cells.

  Chunye Liu, Changdong Lin, Daisong Wang, Jingqiang Wang, Yu Tao, Yue Li, Xinyi Chen, Lanyue Bai, Yingying Jia, Jianfeng Chen, Yi Arial Zeng.

  Cell Reports 2022 Mar; 38(12):110548.

  Application: WB, Human, Mouse, HEK 293T, Mammary stem cells

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

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- Bacteremia
- Barrett Esophagus
- 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

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- Genetic Predisposition to Disease
- Glucose Intolerance
- 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

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- Premature Birth
- Prostate cancer
- 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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