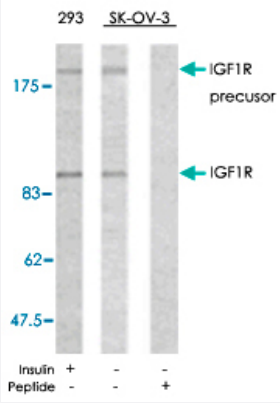
IGF1R polyclonal antibody

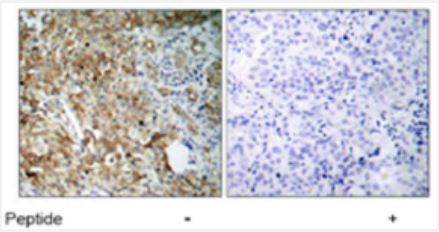
Catalog # PAB5399 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293 and SK-OV-3 cells using IGF1R polyclonal antibody (Cat # PAB5399) .



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IGF1R polyclonal antibody (Cat # PAB5399) .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of IGF1R.
Immunogen	A synthetic peptide corresponding to residues surrounding Y1161 of human IGF1R.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	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, 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

- Western Blot (Cell lysate)

  Western blot analysis of extracts from 293 and SK-OV-3 cells using IGF1R polyclonal antibody (Cat # PAB5399) .

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

  Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IGF1R polyclonal antibody (Cat # PAB5399) .

Gene Info — IGF1R

Entrez GeneID	3480
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

- Sexual Dimorphism in Expression of Insulin and Insulin-Like Growth Factor-I Receptors in Developing Rat Cerebellum.

  Haghir H, Rezaee AA, Nomani H, Sankian M, Kheradmand H, Hami J.

  Cellular and Molecular Neurobiology 2013 Apr; 33(3):369.

  Application: WB, Rat, Cerebelli

- The role of the tyrosine kinase domain of the insulin-like growth factor-I receptor in intracellular signaling, cellular proliferation, and tumorigenesis.

  Hernández-Sánchez C, Blakesley V, Kalebic T, Helman L, LeRoith D.

  The Journal of Biological Chemistry 1995 Dec; 270(49):29176.

  Application: WB-Tr, Mouse, NIH/3T3 cells

- Mitogenicity and transforming activity of the insulin-like growth factor-I receptor with mutations in the tyrosine kinase domain.

  Li S, Ferber A, Miura M, Baserga R.

  The Journal of Biological Chemistry 1994 Dec; 269(51):32558.

  Application: IP, Mouse, NIH/3T3 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
- 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
- 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
- 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