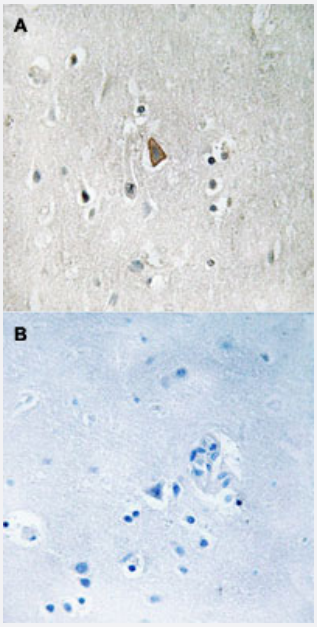
IGF1R (phospho Y1346) polyclonal antibody

Catalog # PAB29290 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human brain tissue with IGF1R (phospho Y1346) polyclonal antibody (Cat# PAB29290) without blocking peptide (A) or preincubated with blocking peptide (B) under 1:50-1:100 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human IGF1R.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding Y1346 of human IGF1R.
Host	Rabbit
Theoretical MW (kDa)	154
Reactivity	Human
Specificity	IGF1R (phospho Y1346) polyclonal antibody detects endogenous levels of human IGF1R only when phosphorylated at tyrosine 1346.
Form	Liquid

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Purification	Affinity Chromatography
Recommend Usage	Immunohistochemistry (1:50~1:100) 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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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

Pathway

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- 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

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- 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

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- 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

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

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