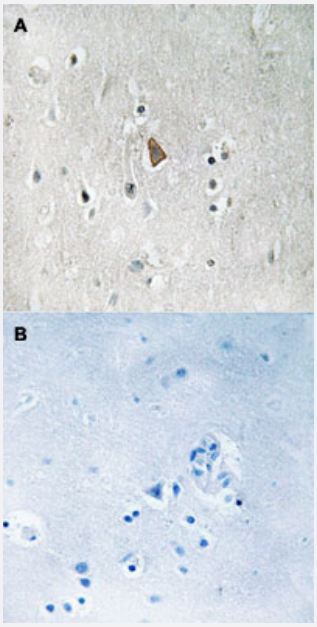
# IGF1R (phospho Y1346) polyclonal antibody

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 |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Purification** | Affinity Chromatography |
| **Recommend Usage** | Immunohistochemistry (1:50~1:100)<br>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.<br>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

- 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.

## 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.