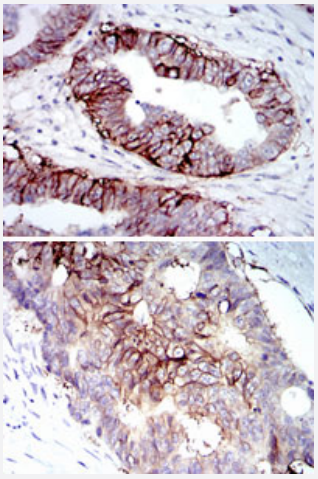
# IGF1R monoclonal antibody, clone 3G5C1

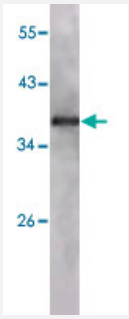
Catalog # MAB10693 Size 100 uL

## Applications



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

Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissues (upper) and rectum cancer tissues (bottom) using IGF1R monoclonal antibody, clone 3G5C1 (Cat # MAB10693) with DAB staining.




### Western Blot (Recombinant protein)

Western blot analysis using IGF1R monoclonal antibody, clone 3G5C1 (Cat # MAB10693) against truncated IGF1R recombinant protein.

## Specification

| | |
|---|---|
| **Product Description** | Mouse monoclonal antibody raised against partial recombinant IGF1R. |
| **Immunogen** | Recombinant protein corresponding to human IGF1R. |
| **Host** | Mouse |
| **Reactivity** | Human |
| **Form** | Liquid |

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| | |
|---|---|
| **Isotype** | IgG2a |
| **Recommend Usage** | ELISA (1:10000)<br>Western Blot (1:500-1:2000)<br>Immunohistochemistry (1:200-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In ascites (0.03% sodium azide) |
| **Storage Instruction** | Store at 4°C. For long term storage 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 analysis of paraffin-embedded human ovarian cancer tissues (upper) and rectum cancer tissues (bottom) using IGF1R monoclonal antibody, clone 3G5C1 (Cat # MAB10693) with DAB staining.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)

  Western blot analysis using IGF1R monoclonal antibody, clone 3G5C1 (Cat # MAB10693) against truncated IGF1R recombinant protein.

## Gene Info — IGF1R

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|---|---|
| **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 |

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| | |
|---|---|
| **Other Designations** | soluble IGF1R variant 1\|soluble IGF1R variant 2 |

## Publication Reference

- Reduced sphingosine kinase-1 and enhanced sphingosine 1-phosphate lyase expression demonstrate deregulated sphingosine 1-phosphate signaling in Alzheimer's disease.

  Ceccom J, Loukh N, Lauwers-Cances V, Touriol C, Nicaise Y, Gentil C, Uro-Coste E, Pitson S, Maurage CA, Duyckaerts C, Cuvillier O, Delisle MB.

  Acta Neuropathologica Communications 2014 Jan; 2(1):12.

  Application: WB-Ti, Human, Brain

## 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

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- 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

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- 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

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- 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

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