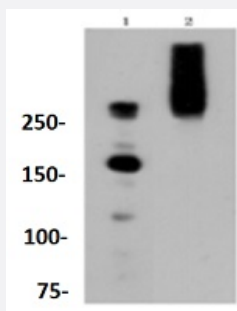


RecomAb™

IGF2R recombinant monoclonal antibody

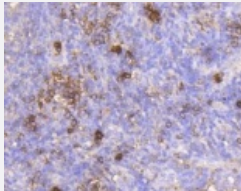
Catalog # RAB02713 Size 100 uL

Applications



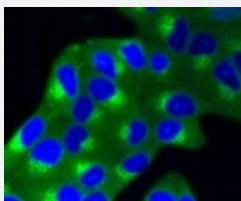
Western Blot (Cell lysate)

Western blot analysis of Lane1:HepG2 whole cell lysate Lane2:SW480 whole cell lysate with IGF2R recombinant monoclonal antibody (Cat # RAB02713) at 1:1000 dilution.



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

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using IGF2R recombinant monoclonal antibody (Cat # RAB02713). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of HeLa cells using IGF2R recombinant monoclonal antibody (Cat # RAB02713)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against IGF2R.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant IGF2R.
Theoretical MW (kDa)	274
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of IGF-2R and does not cross-react with related proteins.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane1:HepG2 whole cell lysate Lane2:SW480 whole cell lysate with IGF2R recombinant monoclonal antibody (Cat # RAB02713) at 1:1000 dilution.

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

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Immunocytochemical staining of HeLa cells using IGF2R recombinant monoclonal antibody (Cat # RAB02713)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

- Immunofluorescence
- Flow Cytometry

Gene Info — IGF2R

Entrez GeneID [3482](#)

Protein Accession# [P11717](#)

Gene Name IGF2R

Gene Alias CD222, CIMPR, M6P-R, MPR1, MPRI

Gene Description insulin-like growth factor 2 receptor

Omim ID [147280](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a receptor for both, insulin-like growth factor 2 (IGF2) and mannose 6-phosphate (M6P). The IGF2 and M6P binding sites are located on different segments of the receptor. This receptor functions in the intracellular trafficking of lysosomal enzymes, the activation of transforming growth factor beta, and the degradation of IGF2. In mice, the homologous gene is expressed only from the maternal chromosome. [provided by RefSeq]

Other Designations OTTHUMP00000017536|cation-independent mannose-6 phosphate receptor|insulin-like growth factor-2 receptor (mannose-6-phosphate receptor, cation-independent)

Pathway

- [Lysosome](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Birth Weight](#)
- [Bone Neoplasms](#)

- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chorioamnionitis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Osteosarcoma](#)
- [Ovarian cancer](#)
- [Ovarian Failure](#)

- [Ovarian Neoplasms](#)
- [Pancreatic Neoplasms](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prostatic Neoplasms](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Stomach Neoplasms](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)