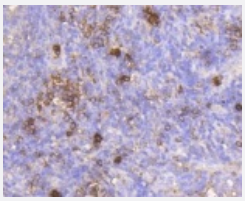
RecomAb™ Sm Size

IGF2R recombinant monoclonal antibody

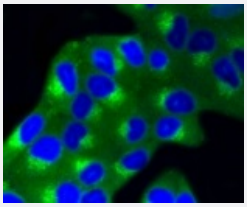
Catalog # RAB09382 Size 50 uL

Applications



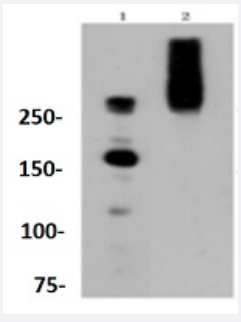
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using IGF2R recombinant monoclonal antibody (Cat # RAB09382). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of HeLa cells using IGF2R recombinant monoclonal antibody (Cat # RAB09382)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.



Western Blot (Cell lysate)

Western blot analysis of Lane1:HepG2 whole cell lysate Lane2:SW480 whole cell lysate with IGF2R recombinant monoclonal antibody (Cat # RAB09382) at 1:1000 dilution.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against IGF2R.

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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
Preparation Method	Mammalian cell (HEK293) expression system
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 shoul d be handled by trained staff only.

Applications

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

  Immunohistochemical analysis of paraffin-embedded human tonsil tissue using IGF2R recombinant monoclonal antibody (Cat # RAB09382). Counter stained with hematoxylin.

- Immunocytochemistry

  Immunocytochemical staining of HeLa cells using IGF2R recombinant monoclonal antibody (Cat # RAB09382)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

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- Western Blot (Cell lysate)

  Western blot analysis of Lane1:HepG2 whole cell lysate Lane2:SW480 whole cell lysate with IGF2R recombinant monoclonal antibody (Cat # RAB09382) at 1:1000 dilution.

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

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- 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

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- 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

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