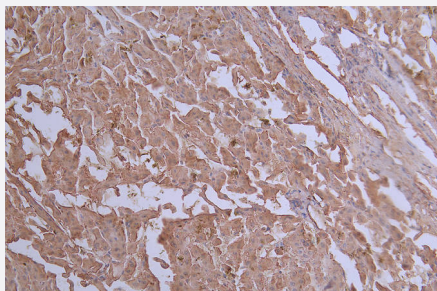


RecomAb™

# SLC2A2 recombinant monoclonal antibody, clone 37E1

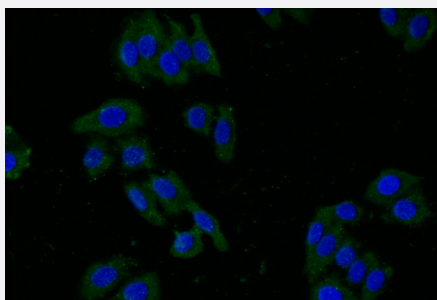
Catalog # RAB07689      Size 100 uL

## Applications



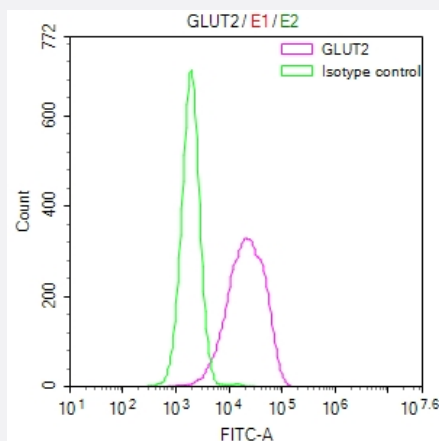
### Immunohistochemistry

Immunohistochemistry image of SLC2A2 recombinant monoclonal antibody, clone 37E1 diluted at 1:50 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system.



### Immunofluorescence

Immunofluorescence staining of HepG2 Cells with SLC2A2 recombinant monoclonal antibody, clone 37E1 at 1:25, counter-stained with DAPI.



### Flow Cytometry

Overlay Peak curve showing HepG2 cells stained with SLC2A2 recombinant monoclonal antibody, clone 37E1 (red line) at 1:50.

## Specification

|                            |                                                                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit recombinant monoclonal antibody raised against human SLC2A2.                                                                                                             |
| <b>Antibody Species</b>    | Rabbit                                                                                                                                                                          |
| <b>Immunogen</b>           | Original antibody is raised against a synthetic peptide corresponding to human SLC2A2.                                                                                          |
| <b>Reactivity</b>          | Human                                                                                                                                                                           |
| <b>Form</b>                | Liquid                                                                                                                                                                          |
| <b>Purification</b>        | Affinity chromatography purification                                                                                                                                            |
| <b>Isotype</b>             | IgG                                                                                                                                                                             |
| <b>Recommend Usage</b>     | ELISA<br>Flow Cytometry(1:50-1:200)<br>Immunohistochemistry(1:50-1:200)<br>Immunofluorescence(1:20-1:200)<br>The optimal working dilution should be determined by the end user. |
| <b>Storage Buffer</b>      | In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)                                                                                                                |
| <b>Storage Instruction</b> | Store at -20°C or -80°C.<br>Aliquot to avoid repeated freezing and thawing.                                                                                                     |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                                                          |

## Applications

- Immunohistochemistry

Immunohistochemistry image of SLC2A2 recombinant monoclonal antibody, clone 37E1 diluted at 1:50 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system.

- Immunofluorescence

Immunofluorescence staining of HepG2 Cells with SLC2A2 recombinant monoclonal antibody, clone 37E1 at 1:25, counter-stained with DAPI.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Overlay Peak curve showing HepG2 cells stained with SLC2A2 recombinant monoclonal antibody, clone 37E1 (red line) at 1:50.

## Gene Info — SLC2A2

|                    |                                                                                                                                                                                                                                                                                                               |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID      | <a href="#">6514</a>                                                                                                                                                                                                                                                                                          |
| Protein Accession# | <a href="#">P11168</a>                                                                                                                                                                                                                                                                                        |
| Gene Name          | SLC2A2                                                                                                                                                                                                                                                                                                        |
| Gene Alias         | GLUT2                                                                                                                                                                                                                                                                                                         |
| Gene Description   | solute carrier family 2 (facilitated glucose transporter), member 2                                                                                                                                                                                                                                           |
| Omim ID            | <a href="#">138160</a> <a href="#">227810</a>                                                                                                                                                                                                                                                                 |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                     |
| Gene Summary       | Glucose transporter 2 isoform is an integral plasma membrane glycoprotein of the liver, islet beta cells, intestine, and kidney epithelium. It mediates facilitated bidirectional glucose transport. Because of its low affinity for glucose, it has been suggested as a glucose sensor. [provided by RefSeq] |
| Other Designations | -                                                                                                                                                                                                                                                                                                             |

## Pathway

- [Maturity onset diabetes of the young](#)
- [Type II diabetes mellitus](#)

## Disease

- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Hyperparathyroidism](#)
- [Obesity](#)
- [Overweight](#)
- [Prostatic Neoplasms](#)
- [Weight Loss](#)