

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09481 - Goat Anti-GLUT2 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SLC2A2, solute carrier family 2 (facilitated glucose transporter), member 2, GLUT2

**Official Symbol:** SLC2A2

**Accession Number(s):** NP\_000331.1

**Human GeneID(s):** [6514](#)

### Immunogen

Peptide with sequence C-RKEREASSEQKVS, from the internal region of the protein sequence according to NP\_000331.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:8000.

**IHC:** In paraffin embedded Human Liver shows strong staining of the endothelial lining cells. Recommended concentration: 2-6µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the membranes of HepG2 and in the membranes and nuclei of MCF7 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat, Cow, Pig

EB09481 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB09481 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

EB09481 (2.5µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.