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### anti-SLC2A2 antibody





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#### Overview

Quantity:	100 μL
Target:	SLC2A2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This SLC2A2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

#### **Product Details**

Purpose:	GLUT2/SLC2A2 Rabbit mAb
Immunogen:	A synthesized peptide derived from human GLUT2/SLC2A2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

#### Target Details

Target:	SLC2A2
Alternative Name:	SLC2A2 (SLC2A2 Products)
Background:	This gene encodes an integral plasma membrane glycoprotein of the liver, islet beta cells,

#### **Target Details**

intestine, and kidney epithelium. The encoded protein mediates facilitated bidirectional glucose transport. Because of its low affinity for glucose, it has been suggested as a glucose sensor. Mutations in this gene are associated with susceptibility to diseases, including Fanconi-Bickel syndrome and noninsulin-dependent diabetes mellitus (NIDDM). Alternative splicing results in multiple transcript variants of this gene. [provided by RefSeq, Jul 2013],GLUT2,Cancer,Carbohydrate metabolism,Cell Biology & Developmental Biology,Endocrine & Metabolism,Lipid Metabolism,Signal Transduction,Stem Cells,SLC2A2

Molecular Weight: 57kDa

Gene ID: 6514

UniProt: P11168

Pathways: Warburg Effect

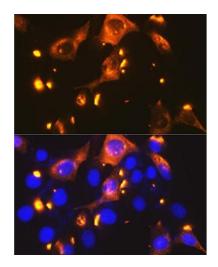
#### **Application Details**

Application Notes: WB,1:500 - 1:2000, IF,1:50 - 1:200

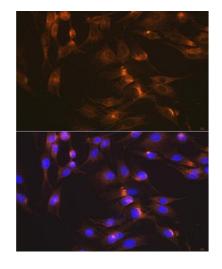
Restrictions: For Research Use only

#### Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



# 100kDa— 70kDa— 50kDa— 40kDa— 35kDa—



#### **Immunofluorescence**

**Image 1.** Immunofluorescence analysis of NIH-3T3 cells using GLUT2/SLC2 Rabbit mAb (ABIN7270414) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

#### **Western Blotting**

Image 2. Western blot analysis of extracts of various cell lines, using GLUT2/SLC2 Rabbit mAb (ABIN7270414) at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 3s.

#### **Immunofluorescence**

**Image 3.** Immunofluorescence analysis of C6 cells using GLUT2/SLC2 Rabbit mAb (ABIN7270414) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the product details page for more images. Overall 4 images are available for ABIN7270414.