

GLUT-1 (PTR2138) Mouse mAb

CatalogNo: YM4463

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse, Rat,

Applications

- WB, IF, ELISA

MW

- 54kD (Calculated)
- 54kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

IF 1:100-500

ELISA 1:1000-5000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal

Clone Number PTR2138

Immunogen Information

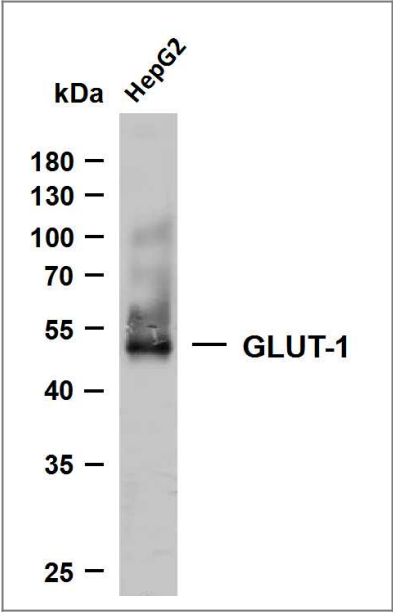
Immunogen Synthesized peptide derived from human GLUT-1 AA range: 400-492

Specificity This antibody detects endogenous levels of GLUT-1 protein.

| Target Information

Gene name	SLC2A1 GLUT1		
Protein Name	Solute carrier family 2, facilitated glucose transporter member 1 (Glucose transporter type 1, erythrocyte/brain) (GLUT-1) (HepG2 glucose transporter)		
	Organism	Gene ID	UniProt ID
	Human	6513 ;	P11166 ;
	Mouse	20525 ;	P17809 ;
Cellular Localization	Membranous		
Tissue specificity	Detected in erythrocytes (at protein level). Expressed at variable levels in many human tissues.		
Function	Facilitative glucose transporter, which is responsible for constitutive or basal glucose uptake . Has a very broad substrate specificity; can transport a wide range of aldoses including both pentoses and hexoses . Most important energy carrier of the brain: present at the blood-brain barrier and assures the energy-independent, facilitative transport of glucose into the brain . In association with BSG and NXNL1, promotes retinal cone survival by increasing glucose uptake into photoreceptors (By similarity).		

| Validation Data



Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-GLUT-1 (PTR2138) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HepG2

| Contact information

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Please scan the QR code
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product information:
GLUT-1 (PTR2138)
Mouse mAb

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