

Anti-GLUT2 Antibody (4Y169)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 57 kDa. Actual: 50-60 kDa.
Clone:	4Y169
Purification:	Protein A purified

Applications

Verified Activity:	1. 25 µg total protein per lane of various lysates (see on figure) probed with GLUT2 monoclonal antibody, unconjugated (TMAB-06550) at 1: 2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
	2. 25 µg total protein per lane of various lysates (see on figure) probed with GLUT2 monoclonal antibody, unconjugated (TMAB-06550) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
	3. The HepG2 (H) cells were fixed with 4% PFA (10 min at r. T.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r. T.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-GLUT2 antibody (TMAB-06550): 1 µg/10 ⁶ cells; Isotype Control (orange): Rabbit IgG. Blank control (black): PBS. Acquisition of 20,000 events was performed.
Application:	WB,FCM
Recommended	WB: 1:500-2000; FCM: 1µg/Test

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human GLUT2
Antigen Species:	Human
Gene ID:	6514
Uniprot ID:	P11168

Research Background

Facilitative hexose transporter that mediates the transport of glucose, fructose and galactose. Likely mediates the bidirectional transfer of glucose across the plasma membrane of hepatocytes and is responsible for uptake of glucose by the beta cells; may comprise part of the glucose-sensing mechanism of the beta cell.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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