

bsm-61316R**[Primary Antibody]**

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GLUT2 Recombinant Rabbit mAb**DATASHEET****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 17F17**GeneID:** 6514**SWISS:** P11168**Target:** GLUT2**Immunogen:** A synthesized peptide derived from human GLUT2: 38-83.**Purification:** affinity purified by Protein A

Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.

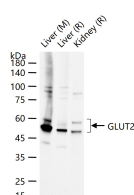
Background: Facilitative hexose transporter that mediates the transport of glucose, fructose and galactose. Likely mediates the bidirectional transfer of glucose across the plasma membrane of hepatocytes and is responsible for uptake of glucose by the beta cells; may comprise part of the glucose-sensing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

Applications: WB (1:500-2000)**Flow-Cyt** (1µg/Test)**Reactivity:** Human, Mouse, Rat

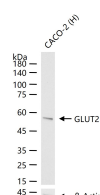
Predicted
MW.: 57 kDa

Observed
MW.: 50-60 kDa

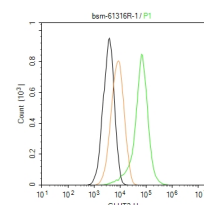
Subcellular
Location: Cell membrane

VALIDATION IMAGES

25 ug total protein per lane of various lysates (see on figure) probed with GLUT2 monoclonal antibody, unconjugated (bsm-61316R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



25 ug total protein per lane of various lysates (see on figure) probed with GLUT2 monoclonal antibody, unconjugated (bsm-61316R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



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 (bsm-61316R): 1 µg/10⁶ cells; Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.