BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-GLUT2/SLC2A2 Antibody (Monoclonal, 31S34)

Catalog Number: M02297-2

About SLC2A2

SLC2A2, also known as Glucose transporter 2 (GLUT2), is a transmembrane carrier protein that enables protein facilitatedglucose movement across cell membranes. This gene encodes an integral plasma membrane glycoprotein of the liver, islet beta cells, 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.

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Overview

Product Name	Anti-GLUT2/SLC2A2 Antibody (Monoclonal, 31S34)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-GLUT2/SLC2A2 Antibody (Monoclonal, 31S34) catalog # M02297-2. Tested in WB, IHC, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, IHC, WB
Clonality	Monoclonal 31S34
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P11168

Technical Details

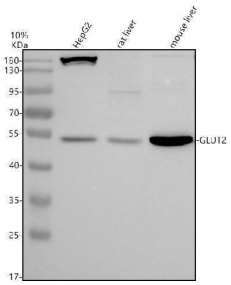
Immunogen	Synthetic peptide within Human Glucose Transporter GLUT2 aa 37-82.

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Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-200 Flow Cytometry (Fixed), 1:50-200

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Anti-GLUT2/SLC2A2 Antibody (Monoclonal, 31S34) (M02297-2) Images



Western blot analysis of GLUT2/SLC2A2 using anti-GLUT2/SLC2A2 antibody (M02297-2). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HepG2 whole cell lysates, Lane 2: rat liver tissue lysates, Lane 3: mouse liver tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GLUT2/SLC2A2 antigen affinity purified monoclonal antibody (M02297-2) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for GLUT2/SLC2A2 at approximately 55 kDa. The expected band size for GLUT2/SLC2A2 is at 57 kDa.

Anti-GLUT2/SLC2A2 Antibody (Monoclonal, 31S34)

For Research Use Only. Not for use in diagnostic procedures.