abcam

Product datasheet

Anti-Glucose Transporter GLUT2 antibody ab54460

★★★★☆ **9 Abreviews**　　**50 References**　　1 图像

概述

产品名称	Anti-Glucose Transporter GLUT2抗体
描述	兔多克隆抗体to Glucose Transporter GLUT2
宿主	Rabbit
特异性	This antibody recognizes the ~53-61 kDa GLUT2 protein. It does not recognize other GLUT isoforms.
经测试应用	**适用于:** WB, Indirect ELISA, ICC/IF
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Rat Glucose Transporter GLUT2 conjugated to keyhole limpet haemocyanin. Database link: **P12336**
常规说明	Following initial thaw, aliquot and freeze (-20°C). The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.1% Sodium azide Constituents: 0.1% BSA, PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee   **Abpromise™承诺保证使用ab54460于以下的经测试应用**

"应用说明"部分 下显示的仅为**推荐的起始稀释度**；实际**最佳**的稀释度/浓度应**由使用者**检定。

应用	Ab评论	说明
WB	★★★★☆ (2)	Use at an assay dependent concentration.
Indirect ELISA		Use at an assay dependent concentration.
ICC/IF	★★★★☆ (1)	Use a concentration of 5 µg/ml.

靶标

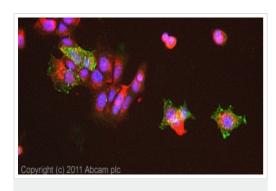|	
功能	Facilitative glucose transporter. This isoform likely mediates the bidirectional transfer of glucose across the plasma membrane of hepatocytes and is responsible for uptake of glucose by the beta cells; may comprise part of the glucose-sensing mechanism of the beta cell. May also participate with the Na(+)/glucose cotransporter in the transcellular transport of glucose in the small intestine and kidney.
组织特异性	Liver, insulin-producing beta cell, small intestine and kidney.
疾病相关	Fanconi-Bickel syndrome
序列相似性	Belongs to the major facilitator superfamily. Sugar transporter (TC 2.A.1.1) family. Glucose transporter subfamily.
翻译后修饰	N-glycosylated; required for stability and retention at the cell surface of pancreatic beta cells.
细胞定位	Membrane.

图片

Immunocytochemistry/ Immunofluorescence - Anti-Glucose Transporter GLUT2 antibody (ab54460)

ICC/IF image of ab54460 stained MCF7 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab54460, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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