

Anti-SGLT2 antibody [3G8] ab58298

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概述

产品名称	Anti-SGLT2抗体[3G8]
描述	小鼠单克隆抗体[3G8] to SGLT2
宿主	Mouse
经测试应用	适用于: WB, Flow Cyt
种属反应性	与反应: Human, Recombinant fragment
免疫原	Recombinant fragment: GLFDKYLGA TSLTVSEDP VGNISFCYR PRPDSYHLLR HPVTGDLWP , corresponding to amino acids 228-278 of Human SGLT2 Run BLAST with Expasy Run BLAST with NCBI
常规说明	<p>This product was changed from ascites to tissue culture supernatant on 12/3/19. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>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.</p> <p>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</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.40 Constituent: PBS
纯度	Tissue culture supernatant
克隆	单克隆
克隆编号	3G8
同种型	IgG2a

kappa

The Abpromise guarantee

“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		<p>Use at an assay dependent concentration. Predicted molecular weight: 73 kDa.</p> <p>This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.</p>
Flow Cyt		<p>Use at an assay dependent concentration.</p> <p><u>ab170191</u> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.</p>

功能

Sodium-dependent glucose transporter. Has a Na(+) to glucose coupling ratio of 1:1. Efficient substrate transport in mammalian kidney is provided by the concerted action of a low affinity high capacity and a high affinity low capacity Na(+)/glucose cotransporter arranged in series along kidney proximal tubules.

疾病相关

Defects in SLC5A2 are the cause of renal glucosuria (GLYS1) [MIM:233100]. GLYS1 is an autosomal recessive disorder characterized by a normal fasting serum glucose concentration and persistent isolated glucosuria, with a normal glucose tolerance test.

序列相似性

Belongs to the sodium:solute symporter (SSF) (TC 2.A.21) family.

细胞定位

Membrane.

图片



Western blot against tagged recombinant protein immunogen using ab58298 SGLT2 antibody at 1ug/ml. Predicted band size of immunogen is 32 kDa

This image was generated using the ascites version of the product.

Western blot - Anti-SGLT2 antibody [3G8] (ab58298)

Overlay histogram showing HEK293 cells stained with ab58298 (red line). The cells were fixed with 80% methanol (5 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab58298, 1 µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] (**ab91361**, 1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback.

This image was generated using the ascites version of the product.

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

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