abcam

Product datasheet

Anti-SLC38A5 / SNAT5 antibody ab72717

★★★★☆ **1 Abreviews**   **7 References**   3 图像

概述

产品名称	Anti-SLC38A5 / SNAT5抗体
描述	兔多克隆抗体to SLC38A5 / SNAT5
宿主	Rabbit
特异性	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
经测试应用	**适用于:** WB, IHC-P, ICC/IF
种属反应性	**与反应:** Rat **预测可用于:** Mouse, Human ⚠
免疫原	Synthetic peptide corresponding to Rat SLC38A5/ SNAT5 aa 1-100 conjugated to keyhole limpet haemocyanin. (Peptide available as **ab92656**)
阳性对照	This antibody gave a positive signal in the following rat tissue lysates: Cortex; Hippocampus; Spinal Cord. This antibody gave a positive result in IHC in the following FFPE tissue: Rat normal pancreas.
常规说明	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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide

Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

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ab72717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。

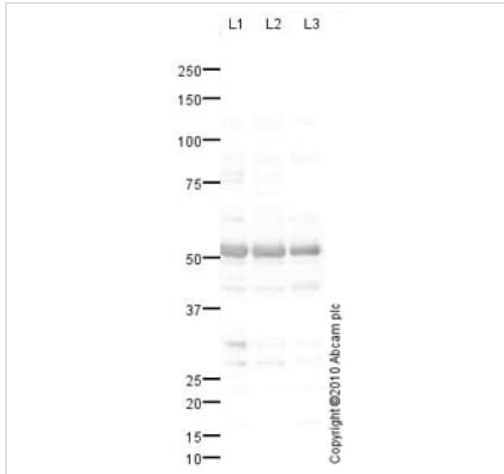| 应用	Ab评论	说明
WB	★★★★☆ (1)	Use a concentration of 1 µg/ml. Detects a band of approximately 52 kDa (predicted molecular weight: 52 kDa).
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use at an assay dependent concentration.

靶标

功能	Functions as a sodium-dependent amino acid transporter which countertransport protons. Mediates the saturable, pH-sensitive, and electrogenic cotransport of several neutral amino acids including glycine, asparagine, alanine, serine, glutamine and histidine with sodium.
组织特异性	Predominantly expressed in stomach, brain, liver, lung and intestinal tract.
序列相似性	Belongs to the amino acid/polyamine transporter 2 family.
细胞定位	Cell membrane.

图片

Western blot - Anti-SLC38A5 / SNAT5 antibody (ab72717)

All lanes : Anti-SLC38A5 / SNAT5 antibody (ab72717) at 1 µg/ml

Lane 1 : Cortex (Rat) Tissue Lysate

Lane 2 : Hippocampus (Rat) Tissue Lysate

Lane 3 : Spinal Cord (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 52 kDa
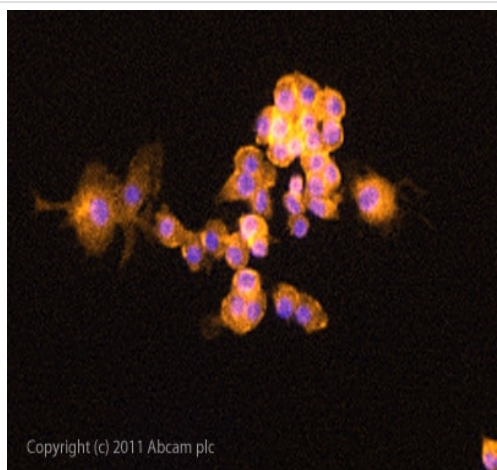
Observed band size: 52 kDa

Additional bands at: 28 kDa, 30 kDa, 40 kDa. We are unsure as to the identity of these extra bands.

IHC image of SLC38A5 / SNAT5 staining in Rat normal pancreas formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab72717, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SLC38A5 / SNAT5 antibody (ab72717)

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

ICC/IF image of ab72717 stained PC12 cells. The cells were 4% PFA 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 (ab72717, 5µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96899** Dylight 488 goat anti-rabbit IgG (H+L) used at a 1/250 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.

Immunocytochemistry/ Immunofluorescence - Anti-SLC38A5 / SNAT5 antibody (ab72717)

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