

Product datasheet

Anti-SLC38A1 antibody ab60145

1 References 2 图像

概述

产品名称	Anti-SLC38A1抗体
描述	兔多克隆抗体to SLC38A1
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Human 预测可用于: Rat, Horse, Guinea pig, Cow, Cat, Dog
免疫原	A region within synthetic peptide: YLGYTSGFSL SCMVFLLMV YKKFQIPCI VPELNSTISA NSTNADTCTP, corresponding to internal sequence amino acids 217-266 of Human SLC38A1 Run BLAST with ExPASy Run BLAST with NCBI
阳性对照	HepG2 cell lysate; human kidney tissue

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: None Constituents: 2% Sucrose, PBS
纯度	Protein A purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab60145** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab 评论	说明
WB		Use a concentration of 1.25 µg/ml. Detects a band of approximately 48 kDa (predicted molecular weight: 59 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

应用	Ab 评论	说明
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IHC-P Use a concentration of 4 - 8 µg/ml.

靶标

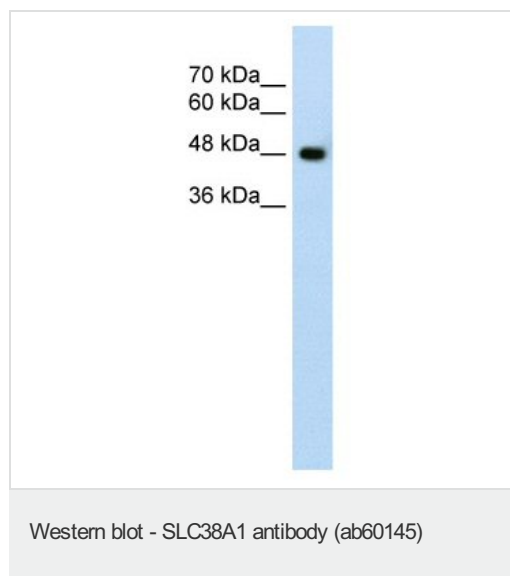
功能 Functions as a sodium-dependent amino acid transporter. Mediates the saturable, pH-sensitive and electrogenic cotransport of glutamine and sodium ions with a stoichiometry of 1:1. May also transport small zwitterionic and aliphatic amino acids with a lower affinity. May supply glutamatergic and GABAergic neurons with glutamine which is required for the synthesis of the neurotransmitters glutamate and GABA.

组织特异性 Expressed in the cerebral cortex by pyramidal and GABAergic neurons, astrocytes and other non-neuronal cells (at protein level). Expressed in placenta, heart, lung, skeletal muscle, spleen, stomach and testis.

序列相似性 Belongs to the amino acid/polyamine transporter 2 family.

细胞定位 Cell membrane. Restricted to the somatodendritic compartment of neurons. Found in the cellular processes of neurons in the developing brain (By similarity).

图片



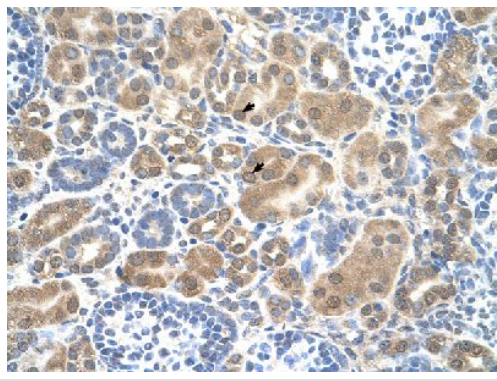
Anti-SLC38A1 antibody (ab60145) at 1.25 µg/ml + HepG2 cell lysate at 10 µg

Secondary

HRP-conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size : 59 kDa

Observed band size : 48 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling SLC38A1 with ab60145 at 4-8 μ g/ml. Arrows indicate positively labelled epithelial cells of the renal tubule. Magnification: 400X.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - SLC38A1 antibody (ab60145)

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