SLC5A1 Rabbit pAb

Catalog No.: A11976SP

17 Publications

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Basic Information

Observed MW
73 kDa

Calculated MW
73 kDa/60 kDa

Category
Polyclonal Antibodies

Applications
WB, IF-P, IHC-P, ELISA

Cross Reactivity
Human, Mouse, Rat

Background

This gene encodes a member of the sodium-dependent glucose transporter (SGLT) family. The encoded integral membrane protein is the primary mediator of dietary glucose and galactose uptake from the intestinal lumen. Mutations in this gene have been associated with glucose-galactose malabsorption. Multiple transcript variants encoding different isoforms have been found for this gene.

Recommended Dilutions

WB	1:3000 - 1:10000
IF-P	1:200 - 1:1000
IHC-P	1:2000 - 1:8000

ELISA

Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000),a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
6523/20537

Swiss-Prot
P13866/Q8C3K6

Immunogen
This information is considered to be commercially sensitive.

Synonyms
NAGT; SGLT1; SGLT-1; D22S675; SLC5A1

Contact

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Product Information

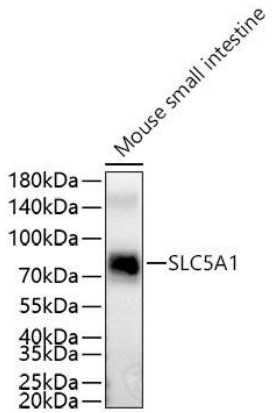
Source
Rabbit

Isotype
IgG

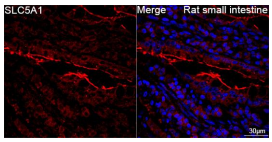
Purity
Affinity purification

Storage
Store at -20℃

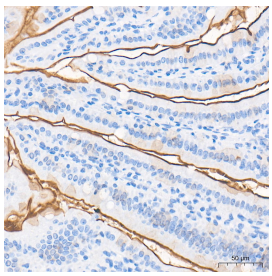
Validation Data



Western blot analysis of lysates from Mouse small intestine using SLC5A1 Rabbit pAb (A11976SP) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10 s.



Confocal imaging of paraffin-embedded Rat small intestine tissue using SLC5A1 Rabbit pAb (A11976SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using SLC5A1 Rabbit pAb (A11976SP) at a dilution of 1:5000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

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