

SGLT1 Rabbit mAb

Catalog NO.: A28576 **Recombinant**

Basic Information

Observed MW

73 kDa

Calculated MW

73 kDa

Category

Monoclonal Antibodies

Applications

WB, IF-P, IHC-P, ELISA

Cross-Reactivity

Mouse

Clone number

ARC79769

Background

Enables D-glucose:sodium symporter activity. Involved in intestinal D-glucose absorption; regulation of transporter activity; and renal D-glucose absorption. Acts upstream of or within D-glucose transmembrane transport; intestinal absorption; and metanephros development. Located in apical plasma membrane and brush border. Is expressed in alimentary system; brain; and urinary system. Human ortholog(s) of this gene implicated in glucose-galactose malabsorption. Orthologous to human SLC5A1 (solute carrier family 5 member 1).

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)

Immunogen Information

Gene ID	Swiss Prot
20537	Q8C3K6

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

Sgt1

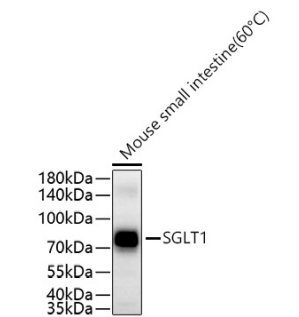
Contact

Product Information

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☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at -20°C. Avoid freeze / thaw cycles.		
Buffer: PBS with 0.09% sodium azide,0.05% BSA,50% glycerol,pH7.3.		

Validation Data



Western blot analysis of lysates from Mouse small intestine using SGLT1 Rabbit mAb (A28576) at 1:5000 dilution incubated overnight at 4°C.

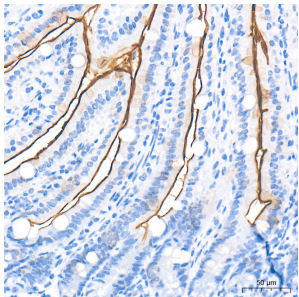
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

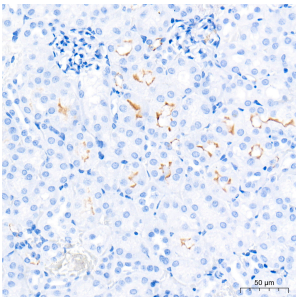
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 10 s.



Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using SGLT1 Rabbit mAb (A28576) 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.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using SGLT1 Rabbit mAb (A28576) 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.



Confocal imaging of paraffin-embedded Mouse small intestine tissue using SGLT1 Rabbit mAb (A28576, 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.

