

Rabbit anti-Human SLC5A1 / SGLT1 Polyclonal Antibody | anti-SLC5A1 antibody

Rabbit Polyclonal to Human SLC5A1 / SGLT1

CATALOG # AAA51739	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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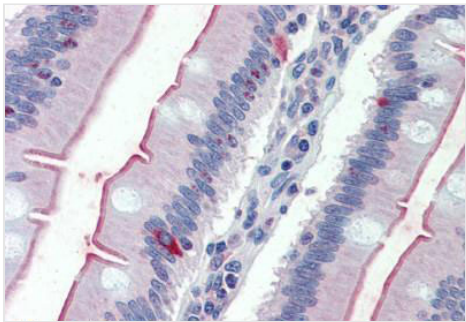
PRODUCT SYNONYMS

SLC5A1 / SGLT1; Polyclonal Antibody; Rabbit Polyclonal to Human SLC5A1 / SGLT1; Anti-SLC5A1 / SGLT1 Antibody (Internal) IHC-plus; SLC5A1; D22S675; HSGLT1; Na(+)/glucose cotransporter 1; Na+/glucose cotransporter 1; SGLT1; NAGT; Sodium-glucose transporter 1; Sodium/glucose cotransporter 1; Human SLC5A1; anti-SLC5A1 antibody

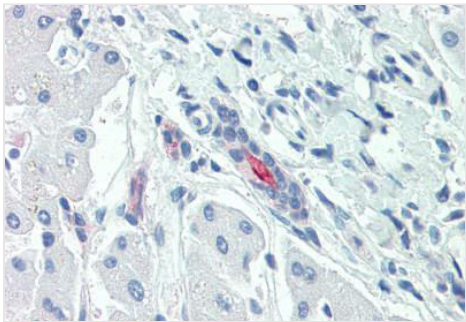
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Human SLC5A1 / SGLT1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, less than 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	664
Applicable Applications for anti-SLC5A1 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 14 amino acid peptide from internal region of human SLC5A1 / SGLT1. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon (100%); Monkey (86%).
Immunogen Type	Synthetic peptide
Immunogen	SLC5A1 / SGLT1 antibody was raised against synthetic 14 amino acid peptide from internal region of human SLC5A1 / SGLT1. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon (100%); Monkey (86%).
Epitope	Internal
Family/Subfamily	Transporter/solute: sodium symporter.
Preparation and Storage	Upon arrival: Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-SLC5A1 / SGLT1 antibody IHC of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-SLC5A1 / SGLT1 antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC5A1 antibody	Actively transports glucose into cells by Na ⁺ cotransport with a Na ⁺ to glucose coupling ratio of 2:1. 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.
Product Categories/Family for anti-SLC5A1 antibody	Family: Transporter; Subfamily: Solute:sodium symporter

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507031
NCBI GeneID	6523
NCBI Accession #	NP_000334.1
NCBI GenBank Nucleotide #	NM_000343.3
UniProt Accession #	P13866; B2R7E2; B7Z4Q9; B7ZA69
Molecular Weight	60,097 Da
NCBI Official Full Name	sodium/glucose cotransporter 1 isoform 1
NCBI Official Synonym Full Names	solute carrier family 5 (sodium/glucose cotransporter), member 1
NCBI Official Symbol	SLC5A1
NCBI Official Synonym Symbols	NAGT; SGLT1; D22S675
NCBI Protein Information	sodium/glucose cotransporter 1; Na ⁺ /glucose cotransporter 1; high affinity sodium-glucose cotransporter
UniProt Protein Name	Sodium/glucose cotransporter 1
UniProt Gene Name	SLC5A1
UniProt Synonym Gene Names	NAGT; SGLT1; Na(+)/glucose cotransporter 1
UniProt Entry Name	SC5A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.