

SGLT1 positive control

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CATALOG #
AAA75986

APPLICATIONS
Western Blot

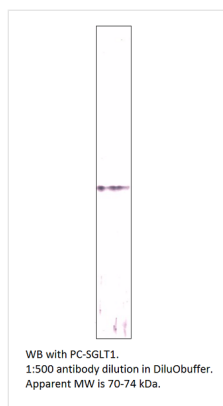
PRODUCT SYNONYMS

SGLT1; SGLT1 Positive Control; D22S675; High affinity sodium glucose cotransporter 1; Human Na⁺/glucose cotransporter 1; NAGT; SGLT 1; SLC5A1; Sodium glucose cotransporter 1; Solute carrier family 5 member 1 antibody; SGLT1 positive control

PRODUCT SPECIFICATIONS

Form/Format	Western Blot Positive Control in ready to use SDS-sample buffer
Applicable Applications for SGLT1 positive control	WB (Western Blot)
Immunogen	Purified Protein
Preparation and Storage	Store at -20°C for long term storage

IMAGES



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for SGLT1 positive control

Western Blot Positive Control Sodium/glucose cotransporter 1

Sodium-glucose linked transporters (SGL T) are a family of glucose transporters that contribute to renal glucose reabsorption. The two most common members of SGL T family are members of the SLC5A gene family: SGL T1 and SGL T2. There are five other members in the human protein family SLC5A, which may also be sodium-glucose transporters (1). SGL Ts utilize secondary active transport to transport glucose along kidney proximal tubules by sodium ion cotransport with a sodium ion to glucose coupling ration of 2:1. A Na⁺/K⁺ ATPase pump on the basolateral membrane of the proximal tubules cells utilizes ATP to move 3 Sodium ions outward into the blood, and 2 potassium ions into the cell. The energy from the resulting downhill sodium ion gradient is utilized by SGL Ts to transport glucose across the apical membrane. Since sodium and glucose are transported in the same direction, SGL Ts are classified as symporters. SGL Ts are mainly expressed in intestine and kidney. SGL T and GLUT antibodies have been fully characterized for cross reactivity within the SGL T and GLUT families and also with other cellular proteins. Antibodies against multiple epitopes on the same protein to facilitate studies using interspecies cross reactivity. SGL T western blot positive control (PC-SGL T) is available in read-to-use SOS-PAGE sample buffer. The SGL T positive control appears as a diffuse band of 69-72 and co-migrates with rat jejune.1 sodium-dependent glucose transporter protein on a 10% SOS-PAGE.

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
NCBI Official Full Name	sodium/glucose cotransporter 1 isoform 1
NCBI Official Synonym Full Names	solute carrier family 5 member 1
NCBI Official Symbol	SLC5A1
NCBI Official Synonym Symbols	NAGT; SGLT1; D22S675
NCBI Protein Information	sodium/glucose cotransporter 1
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.

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Online datasheet: <https://stage.aaabiotech.com/positive-control/sglt1/75986>