

Rabbit SLC5A1 Polyclonal Antibody | anti-SLC5A1 antibody

Phospho-SLC5A1 (Ser335) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328252	Rabbit	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Dog, Chicken	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SLC5A1; Polyclonal Antibody; Phospho-SLC5A1 (Ser335) Antibody; D22S675; High affinity sodium glucose cotransporter 1; High affinity sodium glucose cotransporter; High affinity sodium-glucose cotransporter; Human Na⁺/glucose cotransporter 1; Na⁺(+)/glucose cotransporter 1; Na⁺/glucose cotransporter 1; NAGT; SC5A1_HUMAN; SGLT 1; SGLT1; Sodium glucose cotransporter 1; Sodium/glucose cotransporter 1; Solute carrier family 5 (sodium/glucose cotransporter) member 1; Solute carrier family 5 member 1; anti-SLC5A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Dog, Chicken
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-SLC5A1(Ser335) Antibody detects endogenous levels of SLC5A1 only when phosphorylated at Ser335.
Purity/Purification	Purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	664
Applicable Applications for anti-SLC5A1 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SLC5A1 around the phosphorylation site of Ser335.
Tissue Specificity	Expressed mainly in intestine and kidney.
Subcellular Location	Membrane
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Phospho-SLC5A1(Ser335) in lysates of Jurkat cells, using Phospho-SLC5A1(Ser335) Antibody.



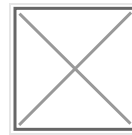
IHC (Immunohistochemistry)

At 1/100 staining mouse brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining rat liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary



IHC (Immunohistochemistry)

At 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary

ADDITIONAL INFORMATION

Related Product Information for anti-SLC5A1 antibody

Description: 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.

Post Translational Modifications: N-glycosylation is not necessary for the cotransporter function.

Similarity: Belongs to the sodium: solute symporter (SSF) (TC 2.A.21) family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507031
NCBI GeneID	6523
NCBI Accession #	NP_000334.1
NCBI GenBank Nucleotide #	NP_000334.1
UniProt Accession #	P13866
Molecular Weight	Observed: 60 kDa Predicted: 74 kDa
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/polyclonal/slc5a1-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328252>