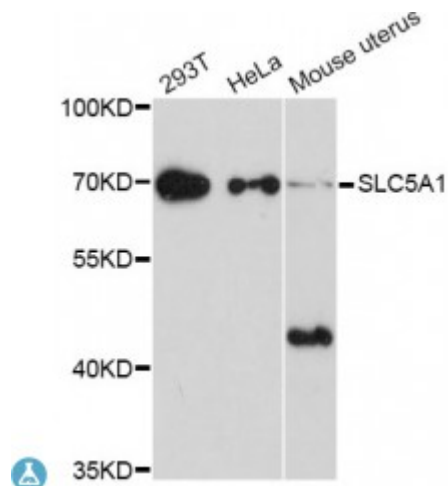


Anti-SLC5A1 Antibody



Description

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.

Model	STJ113885
Host	Rabbit
Reactivity	Human, Mouse
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 350-450 of human SLC5A1 (NP_000334.1).
Gene ID	6523
Gene Symbol	SLC5A1
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed mainly in intestine and kidney
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Sodium/glucose cotransporter 1 Na ⁺ /glucose cotransporter 1 High affinity sodium-glucose cotransporter Solute carrier family 5 member 1
Molecular Weight	73.498 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:11036OMIM:182380Reactome:R-HSA-189200
Alternative Names	Sodium/glucose cotransporter 1 Na(+ /glucose cotransporter 1 High affinity sodium-glucose cotransporter Solute carrier family 5 member 1
Function	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
Cellular Localization	Membrane
Post-translational Modifications	N-glycosylation is not necessary for the cotransporter function,