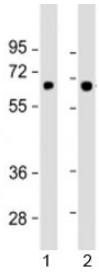
SLC5A8 Antibody (F53928)

Catalog No.	Formulation	Size
F53928-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F53928-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q8N695
Applications	Western Blot : 1:500-1000
Limitations	This SLC5A8 antibody is available for research use only.



Western blot testing of human 1) SK-BR-3 and 2) TT cell lysate with SLC5A8 antibody at 1:1000. Predicted molecular weight: 67 kDa.

Description

Solute carrier family 5 member 8 acts as an electrogenic sodium (Na(+)) and chloride (Cl-)-dependent sodium-coupled solute transporter, including transport of monocarboxylates (short-chain fatty acids including L-lactate, D-lactate, pyruvate, acetate, propionate, valerate and butyrate), lactate, mocarboxylate drugs (nicotinate, benzoate, salicylate and 5-aminosalicylate) and ketone bodies (beta-D- hydroxybutyrate, acetoacetate and alpha-ketoisocaproate), with a Na(+):substrate stoichiometry of between 4:1 and 2:1. Catalyzes passive carrier mediated diffusion of iodide. Mediates iodide transport from the thyrocyte into the colloid lumen through the apical membrane. May be responsible for the absorption of D- lactate and monocarboxylate drugs from the intestinal tract. Acts as a tumor suppressor, suppressing colony formation in colon cancer, prostate cancer and glioma cell lines. May play a critical role in the entry of L-lactate

and ketone bodies into neurons by a process driven by an electrochemical Na(+) gradient and hence contribute to the maintenance of the energy status and function of neurons.

Application Notes

Titration of the SLC5A8 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 579-609 from the human protein was used as the immunogen for the SLC5A8 antibody.

Storage

Aliquot the SLC5A8 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.