

Datasheet for ABIN7169960
anti-SLC5A8 antibody (AA 540-610)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	SLC5A8
Binding Specificity:	AA 540-610
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC5A8 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Sodium-coupled monocarboxylate transporter 1 protein (540-610AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SLC5A8
Alternative Name:	SLC5A8 (SLC5A8 Products)
Background:	Background: Acts as an electrogenic sodium (Na ⁺) and chloride (Cl ⁻)-dependent sodium-coupled solute transporter, including transport of monocarboxylates (short-chain fatty acids)

Target Details

including L-lactate, D-lactate, pyruvate, acetate, propionate, valerate and butyrate), lactate, monocarboxylate 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.

Aliases: AIT antibody, Apical iodide transporter antibody, Electrogenic sodium monocarboxylate cotransporter antibody, MGC125354 antibody, SC5A8_HUMAN antibody, SLC5A8 antibody, SMCT antibody, SMCT1 antibody, sodium coupled monocarboxylate transporter 1 antibody, Sodium iodide related cotransporter antibody, Sodium iodide-related cotransporter antibody, Sodium-coupled monocarboxylate transporter 1 antibody, solute carrier family 5 iodide transporter member 8 antibody, Solute carrier family 5 member 8 antibody

UniProt: [Q8N695](#)

Application Details

Application Notes: Recommended dilution: IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

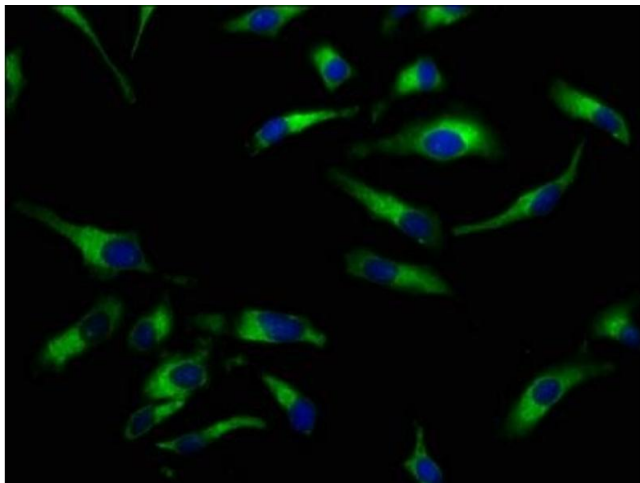
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of HeLa cells with ABIN7169960 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).