

SLC5A8 Antibody (C-Term)

Catalog_no :	AB3582
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN
Specificity :	This SLC5A8 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 579-609 amino acids from the human SLC5A8.
Dilution :	WB,1:1000;
Other_name :	Sodium-coupled monocarboxylate transporter 1, Apical iodide transporter, Electrogenic sodium monocarboxylate cotransporter, Sodium iodide-related cotransporter, Solute carrier family 5 member 8, SLC5A8 {ECO:0000312 EMBL:AAP46193.1}
Isotype :	Rabbit Ig
Background :	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, 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.
reference :	Rodriguez A.-M.,et al.J. Clin. Endocrinol. Metab. 87:3500-3503(2002). Li H.,et al.Proc. Natl. Acad. Sci. U.S.A. 100:8412-8417(2003). Miyauchi S.,et al.J. Biol. Chem. 279:13293-13296(2004). Coady M.J.,et al.J. Physiol. (Lond.) 557:719-731(2004). Scher