

anti- SLC5A8 antibody

Product Information

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| Catalog No.: | FNab07972 |
| Size: | 100µg |
| Form: | liquid |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95% as determined by SDS-PAGE |
| Host: | Rabbit |
| Clonality: | polyclonal |
| Clone ID: | None |
| IsoType: | IgG |
| Storage: | PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.) |

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.

Immunogen information

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|--------------|---|
| Immunogen: | solute carrier family 5(iodide transporter), member 8 |
| Synonyms: | AIT, |
| Observed MW: | 67 kDa |
| UniprotID : | Q8N695 |

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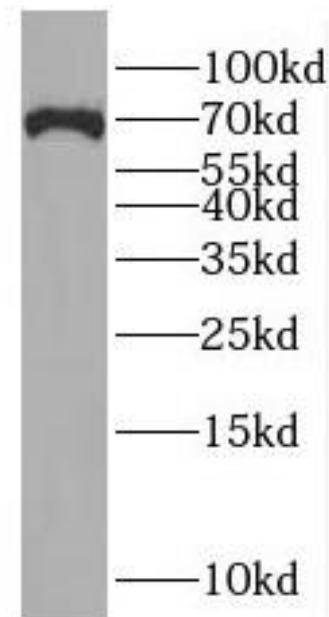
Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, IF, WB

Recommended dilution: WB: 1:500-1:2000; IF: 1:20-1:200

Image:



rat kidney tissue were subjected to SDS PAGE followed by western blot with FNab07972(SLC5A8 Antibody) at dilution of 1:1000

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