

Rabbit anti-Human, Mouse SLC5A8 Polyclonal Antibody | anti-SLC5A8 antibody

Anti-SLC5A8 Antibody Picoband

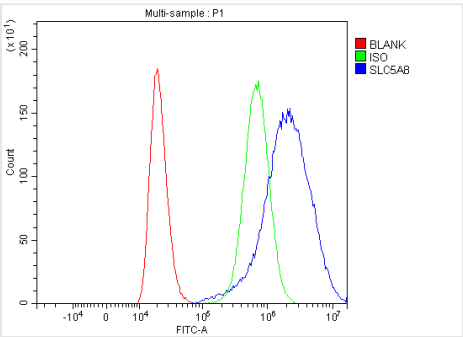
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126340	Rabbit	Human, Mouse	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

SLC5A8; Polyclonal Antibody; Anti-SLC5A8 Antibody Picoband; anti-SLC5A8 antibody

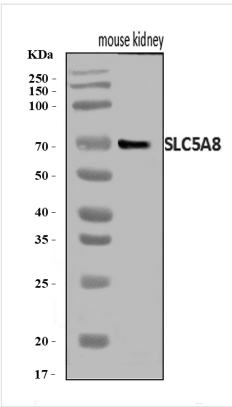
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SLC5A8 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human SLC5A8 recombinant protein (Position: A313-N598).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of 293T cells using anti-SLC5A8 antibody (AAA126340).Overlay histogram showing 293T cells stained with AAA126340 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SLC5A8 Antibody (AAA126340, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of SLC5A8 using anti-SLC5A8 antibody (AAA126340).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: mouse kidney tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SLC5A8 antigen affinity purified polyclonal antibody (#AAA126340) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SLC5A8 at approximately 67 kDa. The expected band size for SLC5A8 is at 67 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC5A8 antibody	Sodium-coupled monocarboxylate transporter 1 is a protein that in humans is encoded by the SLC5A8 gene. SLC5A8 has been shown to transport iodide by a passive mechanism and monocarboxylates and short-chain fatty acids by a sodium-coupled mechanism. In kidney, SLC5A8 functions as a high-affinity sodium-coupled lactate transporter involved in reabsorption of lactate and maintenance of blood lactate levels.
Product Categories/Family for anti-SLC5A8 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	296452898
NCBI GeneID	160728
UniProt Accession #	Q8N695; Q2TB99; Q7Z2H9
Molecular Weight	110.0
NCBI Official Full Name	Sodium-coupled monocarboxylate transporter 1
NCBI Official Synonym Full Names	solute carrier family 5 (sodium/monocarboxylate cotransporter), member 8
NCBI Official Symbol	SLC5A8
NCBI Official Synonym Symbols	AIT; SMCT; SMCT1
NCBI Protein Information	sodium-coupled monocarboxylate transporter 1; apical iodide transporter; solute carrier family 5 member 8; sodium iodide-related cotransporter; electrogenic sodium monocarboxylate cotransporter; solute carrier family 5 (iodide transporter), member 8
UniProt Protein Name	Sodium-coupled monocarboxylate transporter 1
UniProt Gene Name	SLC5A8

UniProt Synonym Gene Names	AIT; SMCT; SMCT1
UniProt Entry Name	SC5A8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/slc5a8-antibody-western-blot-flow-cytometry-elisa/126340>