

Rabbit anti-Mouse OAT3/Slc22a8 Polyclonal Antibody | anti-Slc22a8 antibody

Anti-OAT3/Slc22a8 Antibody

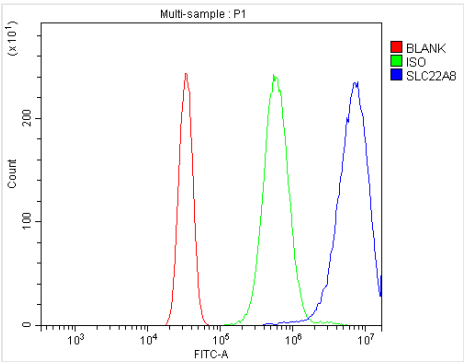
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125715	Rabbit	Mouse	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

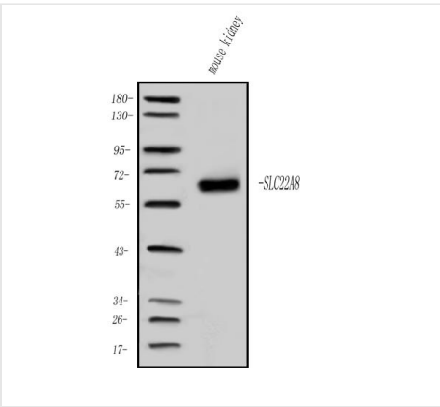
OAT3/Slc22a8; Polyclonal Antibody; Anti-OAT3/Slc22a8 Antibody; Slc22a8; Oat3; Rct; Solute carrier family 22 member 8; Organic anion transporter 3; mOat3; Reduced in osteosclerosis transporter; solute carrier family 22 (organic anion transporter); member 8; anti-Slc22a8 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rabbit IgG polyclonal antibody for OAT3/Slc22a8 detection.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na2HPO4.
Applicable Applications for anti-Slc22a8 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived mouse OAT3/Slc22a8 recombinant protein (Position: K69-T534).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Recommended Detection Systems	Recommended Detection Systems
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of Neuro-2a cells using anti-OAT3/Slc22a8 antibody (AAA125715). Overlay histogram showing Neuro-2a cells stained with AAA125715 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-OAT3/Slc22a8 Antibody (AAA125715, 1µg/g/1x10⁶ cells) for 30 min at 20 degree C. DyLight®488 conjugated goat anti-rabbit IgG (5-10µg/g/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1µg/g/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 OAT3/Slc22a8 using anti-OAT3/Slc22a8 antibody (AAA125715). 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 50µg of sample under reducing conditions. Lane 1: mouse kidney tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-OAT3/Slc22a8 antigen affinity purified polyclonal antibody (Catalog # AAA125715) at 0.5 µg/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 OAT3/Slc22a8 at approximately 60KD. The expected band size for OAT3/Slc22a8 is at 60KD.

ADDITIONAL INFORMATION

Related Product Information for anti-Slc22a8 antibody	Solute carrier family 22 member 8, or organic anion transporter 3 (OAT3), is a protein that in humans is encoded by the SLC22A8 gene. This gene encodes a protein involved in the sodium-independent transport and excretion of organic anions, some of which are potentially toxic. The encoded protein is an integral membrane protein and appears to be localized to the basolateral membrane of the kidney. Multiple alternatively spliced transcript variants that encode different protein isoforms have been described for this gene.
References	1. Race, J. E., Grassl, S. M., Williams, W. J., Holtzman, E. J. Molecular cloning and characterization of two novel human renal organic anion transporters (hOAT1 and hOAT3). Biochem. Biophys. Res. Commun. 255: 508-514, 1999. 2. Sun, W., Wu, R. R., van Poelje, P. D., Erion, M. D. Isolation of a family of organic anion transporters from human liver and kidney. Biochem. Biophys. Res. Commun. 283: 417-422, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	257467529
NCBI GeneID	19879
NCBI Accession #	NP_001158106.1
NCBI GenBank Nucleotide #	NM_001164634.1
UniProt Accession #	O88909; Q3TZF9; Q8CCX3; Q8CFH5; Q91WJ9
NCBI Official Full Name	solute carrier family 22 member 8
NCBI Official Synonym Full Names	solute carrier family 22 (organic anion transporter), member 8
NCBI Official Symbol	Slc22a8
NCBI Official Synonym Symbols	Oat3; Roct

NCBI Protein Information	solute carrier family 22 member 8; organic anion transporter 3; solute carrier family 22, member 8; reduced in osteosclerosis transporter
UniProt Protein Name	Solute carrier family 22 member 8
UniProt Gene Name	Slc22a8
UniProt Synonym Gene Names	Oat3; Roct; mOat3
UniProt Entry Name	S22A8_MOUSE

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://stage.aaabiotech.com/polyclonal/oat3-slc22a8-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125715>