

Rabbit anti-Human SLC22A10 Polyclonal Antibody | anti-SLC22A10 antibody

Anti-SLC22A10 Antibody Picoband

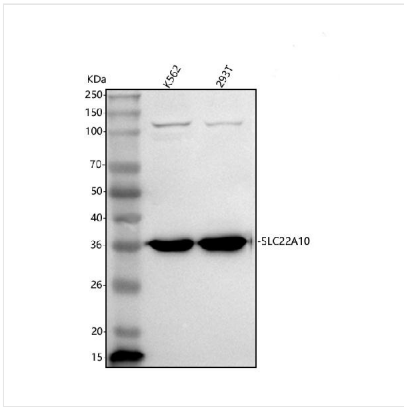
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127868	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

SLC22A10; Polyclonal Antibody; Anti-SLC22A10 Antibody Picoband; Serine/threonine-protein kinase AtPK1/AtPK6; 70 kDa ribosomal protein S6 kinase 1 antibody; KS6B1_HUMAN antibody; p70 alpha antibody; P70 beta 1 antibody; p70 ribosomal S6 kinase alpha antibody; p70 ribosomal S6 kinase beta 1 antibody; p70 S6 kinase alpha antibody; P70 S6 Kinase antibody; p70 S6 kinase alpha 1 antibody; p70 S6 kinase alpha 2 antibody; p70 S6K antibody; p70 S6K-alpha antibody; p70 S6KA antibody; p70(S6K) alpha antibody; p70(S6K)-alpha antibody; p70-alpha antibody; p70-S6K 1 antibody; p70-S6K antibody; P70S6K antibody; P70S6K1 antibody; p70S6Kb antibody; PS6K antibody; Ribosomal protein S6 kinase 70kDa polypeptide 1 antibody; Ribosomal protein S6 kinase beta 1 antibody; Ribosomal protein S6 kinase beta-1 antibody; Ribosomal protein S6 kinase I antibody; RPS6KB1 antibody; S6K antibody; S6K-beta-1 antibody; S6K1 antibody; Serine/threonine kinase 14 alpha antibody; Serine/threonine-protein kinase 14A antibody; STK14A antibody; anti-SLC22A10 antibody

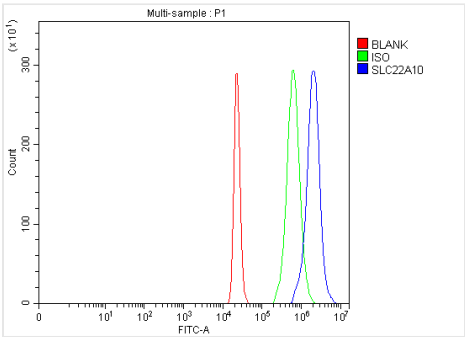
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Expressed in all tissues.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-SLC22A10 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human SLC22A10 recombinant protein (Position: N290-A541).
Subcellular Localization	Cytoplasm, Nucleus
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross reactivity with other proteins.
Protein Function	Downstream effector of TOR signaling pathway involved in osmotic stress response. Could be involved in the control of plant growth and development. Phosphorylates the ribosomal proteins P14, P16 and S6. Functions as a repressor of cell proliferation and required for maintenance of chromosome stability and ploidy levels through the RBR1-E2F pathway.
Preparation and Storage	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.



WB (Western Blot)

Figure 1. Western blot analysis of SLC22A10 using anti-SLC22A10 antibody (AAA127868). 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: human K562 whole cell lysates, Lane 2: human 293T whole cell 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-SLC22A10 antigen affinity purified polyclonal antibody (#AAA127868) at 0.25ug/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 SLC22A10 at approximately 36 kDa. The expected band size for SLC22A10 is at 30, 60 kDa.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of 293T cells using anti-SLC22A10 antibody (AAA127868). Overlay histogram showing 293T cells stained with AAA127868 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-SLC22A10 Antibody (AAA127868, 1ug/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 (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC22A10 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-SLC22A10 antibody	Primary Antibodies; Signal Transduction; Signaling Pathway; Small G Proteins
References	1. Gross, M. B. Personal Communication. Baltimore, Md. 7/25/2014.2. 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 #	148664184
NCBI GeneID	387775
NCBI Accession #	NP_001034841.3
NCBI GenBank Nucleotide #	NM_001039752.3
UniProt Accession #	Q63ZE4
Molecular Weight	60,257 Da
NCBI Official Full Name	solute carrier family 22 member 10
NCBI Official Synonym Full Names	solute carrier family 22, member 10
NCBI Official Symbol	SLC22A10
NCBI Official Synonym Symbols	OAT5; hOAT5

NCBI Protein Information	solute carrier family 22 member 10; organic anion transporter 5; solute carrier family 22 (organic anion/cation transporter), member 10
UniProt Protein Name	Solute carrier family 22 member 10
UniProt Gene Name	SLC22A10
UniProt Synonym Gene Names	OAT5
UniProt Entry Name	S22AA_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/slc22a10-antibody-flow-cytometry-western-blot-elisa/127868>