

Rabbit anti-Human SLC22A6 Polyclonal Antibody | anti-SLC22A6 antibody

SLC22A6 Antibody (C-Term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286133	Rabbit	Human	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

SLC22A6; Polyclonal Antibody; SLC22A6 Antibody (C-Term); Solute carrier family 22 member 6; Organic anion transporter 1; hOAT1; PAH transporter; hPAHT; Renal organic anion transporter 1; hROAT1; OAT1; PAHT; anti-SLC22A6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Clone Number	RB23819
Specificity	This SLC22A6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 513-541 amino acids from the C-terminal region of human SLC22A6.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	513-541
Sequence Length	519
Applicable Applications for anti-SLC22A6 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Function	Involved in the renal elimination of endogenous and exogenous organic anions. Functions as organic anion exchanger when the uptake of one molecule of organic anion is coupled with an efflux of one molecule of endogenous dicarboxylic acid (glutarate, ketoglutarate, etc). Mediates the sodium-independent uptake of 2, 3-dimercapto-1-propanesulfonic acid (DMPS) (By similarity). Mediates the sodium-independent uptake of p-aminohippurate (PAH), ochratoxin (OTA), acyclovir (ACV), 3'-azido-3'-deoxythymidine (AZT), cimetidine (CMD), 2,4-dichloro-phenoxyacetate (2,4-D), hippurate (HA), indoleacetate (IA), indoxyl sulfate (IS) and 3-carboxy-4-methyl-5-propyl-2-furanpropionate (CMPF), cidofovir, adefovir, 9-(2-phosphonylmethoxyethyl) guanine (PMEG), 9-(2-phosphonylmethoxyethyl) diaminopurine (PMEDAP) and edaravonesulfate. PAH uptake is inhibited by p-chloromercuribenzenesulphonate (PCMBs), diethyl pyrocarbonate (DEPC), sulindac, diclofenac, carprofen, glutarate and okadaic acid (By similarity). PAH uptake is inhibited by benzothiazolylcysteine (BTC), S-chlorotrifluoroethylcysteine (CTFC), cysteine S-conjugates S-dichlorovinylcysteine (DCVC), furosemide, steviol, phorbol 12-myristate 13-acetate (PMA), calcium ionophore A23187, benzylpenicillin, furosemide, indomethacin, bumetamide, losartan, probenecid, phenol red, urate, and alpha-ketoglutarate.
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Strongly expressed in kidney and to a lower extent in liver, skeletal muscle, brain and placenta. Found at the basolateral membrane of the proximal tubule
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
SLC22A6 Antibody (C-Term) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with SLC22A6 Antibody (C-Term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Anti-SLC22A6 Antibody (C-Term) at 1:1000 dilution + CCRF-CEM whole cell lysateLysates/proteins at 20ug per lane.Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution.Predicted band size : 62 kDaBlocking/Dilution buffer: 5% NFDM/TBST

ADDITIONAL INFORMATION

Related Product Information for anti-SLC22A6 antibody	The protein is involved in the sodium-dependent transport and excretion of organic anions, some of which are potentially toxic. The encoded protein is an integral membrane protein and may be localized to the basolateral membrane.
Product Categories/Family for anti-SLC22A6 antibody	Metabolism; Signal Transduction
References	Hong,M., et.al, J. Pharmacol. Exp. Ther. 332 (2), 650-658 (2010) Shin,H.J., et.al, Clin. Chim. Acta 411 (1-2), 99-105 (2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	20070188
NCBI GeneID	9356
NCBI Accession #	NP_004781; NP_695008.1; NP_695009.1; NP_695010.1
NCBI GenBank Nucleotide #	NM_004790.4
UniProt Accession #	Q4U2R8; O95187; O95742; Q7LDA0; Q8N192; Q9NQA6; Q9NQC2; Q9UBG6; Q9UEQ8; A8MY93; B2D0R6
Molecular Weight	61816
NCBI Official Full Name	solute carrier family 22 member 6 isoform a
NCBI Official Synonym Full Names	solute carrier family 22 (organic anion transporter), member 6
NCBI Official Symbol	SLC22A6
NCBI Official Synonym Symbols	OAT1; PAHT; HOAT1; ROAT1
NCBI Protein Information	solute carrier family 22 member 6
UniProt Protein Name	Solute carrier family 22 member 6
UniProt Gene Name	SLC22A6
UniProt Synonym Gene Names	OAT1; PAHT; hOAT1; hPAHT; hROAT1
UniProt Entry Name	S22A6_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://stage.aaabiotech.com/polyclonal/slc22a6-antibody-clone-rb23819-immunohistochemistry-western-blot-flow-cytometry-elisa/286133>