SLC22A1 Antibody

Catalog No: #48468

Package Size: #48468-1 50ul #48468-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

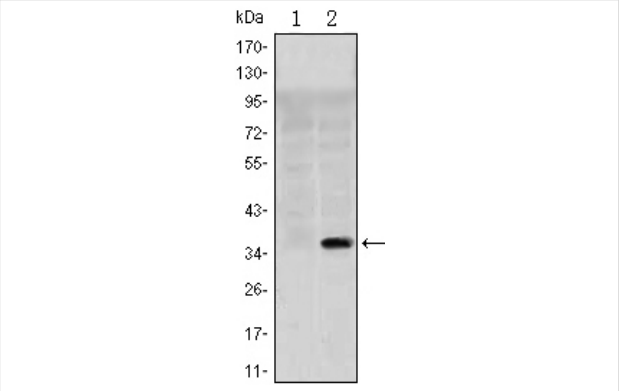
Description

Product Name	SLC22A1 Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	C6-D5
Purification	ProA affinity purified
Applications	WB,FC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	hOCT1 antibody OCT1 antibody oct1_cds antibody Organic cation transporter 1 antibody S22A1_HUMAN antibody Slc22a1 antibody solute carrier family 22 (organic cation transporter), member 1 antibody Solute carrier family 22 member 1 antibody
Accession No.	Swiss-Prot#:O15245
Uniprot	O15245
GeneID	6580;
Calculated MW	61 kDa
Formulation	1*TBS (pH7.4), 1%BSA, Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

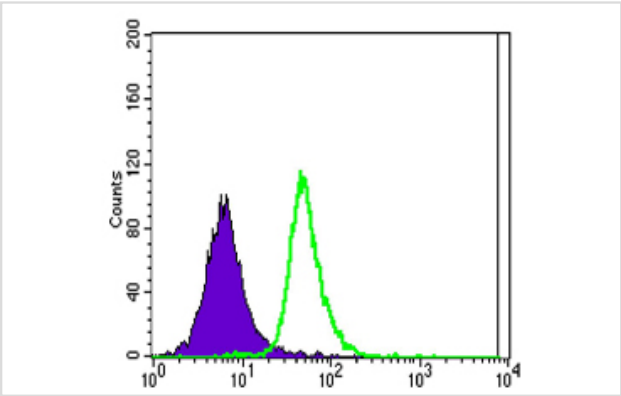
Application Details

WB: 1:500-1:1,000FC: 1:100-1:200

Images



Western blot analysis of SLC22A1 on HEK293 (1) and SLC22A1-hIgGFc transfected HEK293 (2) cell lysate using anti-SLC22A1 antibody at 1/1,000 dilution.



Flow cytometric analysis of Jurkat cells with SLC22A1 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; purple).

Background

The transport of organic cations is inhibited by a broad array of compounds like tetramethylammonium (TMA), cocaine, lidocaine, NMDA receptor antagonists, atropine, prazosin, cimetidine, TEA and NMN, guanidine, cimetidine, choline, procainamide, quinine, tetrabutylammonium, and tetrapentylammonium. Translocates organic cations in an electrogenic and pH-independent manner. Translocates organic cations across the plasma membrane in both directions. Transports the polyamines spermine and spermidine. Transports pramipexole across the basolateral membrane of the proximal tubular epithelial cells. The choline transport is activated by MMTS. Regulated by various intracellular signaling pathways including inhibition by protein kinase A activation, and endogenously activation by the calmodulin complex, the calmodulin-dependent kinase II and LCK tyrosine kinase.

References

Note: This product is for in vitro research use only