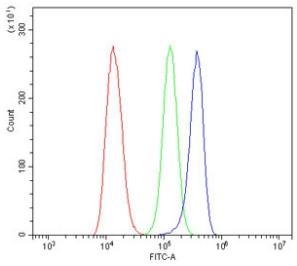
SLC22A3 Antibody (RQ5838)

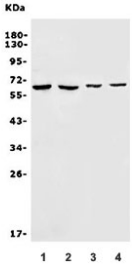
Catalog No.	Formulation	Size
RQ5838	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O75751
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This SLC22A3 antibody is available for research use only.



Flow cytometry testing of human HeLa cells with SLC22A3 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SLC22A3 antibody.



Western blot testing of 1) human HEK293, 2) human HeLa, 3) mouse skeletal muscle and 4) mouse lung lysate with SLC22A3 antibody. Predicted molecular weight: ~61 kDa.

Description

Solute carrier family 22 (extraneuronal monoamine transporter), member 3, also known as SLC22A3 or OCT3 is a protein that in humans is encoded by the SLC22A3 gene. This gene is mapped to 6q25.3. Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. This gene mediates potential-dependent transport of a variety of organic cations. It may play a significant role in the disposition of cationic neurotoxins and neurotransmitters in the brain.

Application Notes

Optimal dilution of the SLC22A3 antibody should be determined by the researcher.

Immunogen

Amino acids FDEALQRVGEFGRFQRR from the human protein were used as the immunogen for the SLC22A3 antibody.

Storage

After reconstitution, the SLC22A3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.