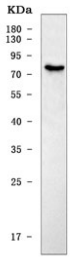
Slc22a1 Antibody / Oct1 (RQ7253)

Catalog No.	Formulation	Size
RQ7253	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O08966
Applications	Western blot: 0.5-1ug/ml
Limitations	This Slc22a1 antibody is available for research use only.



Western blot testing of mouse HEPA1-6 cell lysate with Slc22a1 antibody. Predicted molecular weight ~61 kDa but this glycoprotein may be observed at up to ~80 kDa.

Description

Solute carrier family 22 (organic cation transporter), member 1, also called SLC22A1 or OCT1 (Organic cation transporter 1) is a protein that in humans is encoded by the SLC22A1 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 transports the polyamines spermine and spermidine. It also transports pramipexole across the basolateral membrane of the proximal tubular epithelial cells. This gene 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.

Application Notes

Optimal dilution of the Slc22a1 antibody should be determined by the researcher.

Immunogen

Amino acids QKRTTQAVRIMEQIAQKNRK were used as the immunogen for the Slc22a1 antibody.

Storage

After reconstitution, the Slc22a1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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