

anti- SLC22A1 antibody

Product Information

Catalog No.:	FNab07919
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Translocates a broad array of organic cations with various structures and molecular weights including the model compounds 1-methyl-4-phenylpyridinium(MPP), tetraethylammonium(TEA), N-1-methylnicotinamide(NMN), 4-(4-(dimethylamino)styryl)-N-methylpyridinium(ASP), the endogenous compounds choline, guanidine, histamine, epinephrine, adrenaline, noradrenaline and dopamine, and the drugs quinine, and metformin. 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.

Immunogen information

Immunogen: solute carrier family 22(organic cation transporter), member 1

Wuhan Fine Biotech Co., Ltd.

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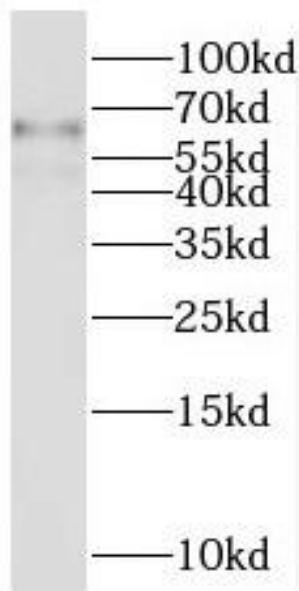
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Synonyms: OCT1
Observed MW: 61-67 kDa
UniprotID : O15245

Application

Reactivity: Human, Mouse, Rat
Tested Application: ELISA, WB
Recommended dilution: WB: 1:500-1:2000

Image:



mouse liver tissue were subjected to SDS PAGE followed by western blot with FNab07919(SLC22A1 Antibody) at dilution of 1:600

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