Datasheet for ABIN7170132 anti-SLC22A1 antibody (AA 43-149) (Biotin)

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Overview

| Quantity:            | 100 µg  |
|----------------------|---|
| Target:              | SLC22A1                                       |
| Binding Specificity: | AA 43-149                                     |
| Reactivity:          | Human   |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal                                    |
| Conjugate:           | This SLC22A1 antibody is conjugated to Biotin |
| Application:         | ELISA   |

## Product Details

| Immunogen:        | Recombinant Human Solute carrier family 22 member 1 protein (43-149AA) |
|-------------------|--|
| Isotype:          | lgG  |
| Cross-Reactivity: | Human  |
| Purification:     | >95%, Protein G purified   |

## Target Details

| Target:           | SLC22A1   |
|-------------------|---|
| Alternative Name: | SLC22A1 (SLC22A1 Products)  |
| Background:       | Background: Translocates a broad array of organic cations with various structures and |
|                   | molecular weights including the model compounds 1-methyl-4-phenylpyridinium (MPP),    |

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Storage:

| 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.               |
| Aliases: 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                   |

| UniProt:            | 015245   |
|---------------------|--|
| Pathways:           | Hormone Transport  |
| Application Details |  |
| Application Notes:  | Optimal working dilution should be determined by the investigator.                 |
| Restrictions:       | For Research Use only  |
| Handling            |  |
| Format:             | Liquid   |
| Buffer:             | Preservative: 0.03 % Proclin 300   |
|                     | Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4                                     |
| Preservative:       | ProClin  |
| Precaution of Use:  | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be |
|                     | handled by trained staff only.   |
|                     |  |

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

-20 °C,-80 °C

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