

Anti-SLC22A1 Antibody

Catalog Number: PA2172

About SLC22A1

Solute carrier family 22 (organic cation transporter), member 1, also called SLC22A1 or OCT1 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.

Overview

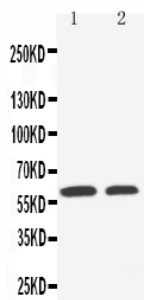
Product Name	Anti-SLC22A1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-SLC22A1 Antibody catalog # PA2172. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	O15245

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human SLC22A1, different from the related mouse and rat sequences by six amino acids.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human</p>

Anti-SLC22A1 Antibody (PA2172) Images



Anti-SLC22A1 antibody, PA2172, Western blotting

Lane 1: HELA Cell Lysate

Lane 2: A549 Cell Lysate

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