SLC22A15 polyclonal antibody

Catalog: BS31322 Host: Rabbit Reactivity: Human

BackGround:

Solute carrier family 22 member 15: Organic zwitterion/cation transporter with apparent specificity for amino acids and their derivatives. Has low affinity for its substrates and may regulate their flux across the plasma membrane at high substrate concentrations . Bidirectionally transports carnitine and acetylcarnitine, possibly regulating their cytosolic abundance and further fatty acid catabolism via beta oxidation . Displays high transport activity toward zwitterionic substrates such as glycine betaine and diet-derived ergothioneine and carnosine. Can transport cations having an indole skeleton such as thiamine with lower efficiency. Does not transport agmatine . The transport mechanism, symport with sodium or facilitated diffusion allosterically regulated by sodium, remains to be elucidated (Probable)

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~60.5 kDa

Swiss-Prot:

Q8IZD6

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/2000)

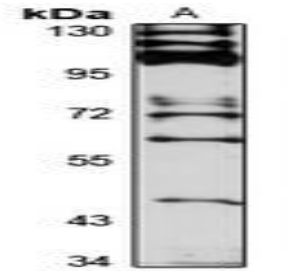
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of SLC22A15 protein

DATA:



Western blot analysis of Complement C1QB expression in Jurkat (A), rat lung (B), rat heart (C) whole cell lysates.

Immunohistochemical analysis of Complement C1QB staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Immunofluorescent analysis of Complement C1QB staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ℃ in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151