

**SLCO4C1 polyclonal antibody**

Catalog: BS33833

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Solute carrier organic anion transporter family member 4C1: Mediates the transport of organic anions such as steroids (estrone 3-sulfate, chenodeoxycholate, glycocholate) and thyroid hormones (3,3',5-triiodo-L-thyronine (T3), L-thyroxine (T4)), in the kidney . Capable of transporting cAMP and pharmacological substances such as digoxin, ouabain and methotrexate . Transport is independent of sodium, chloride ion, and ATP . Transport activity is stimulated by an acidic extracellular environment due to increased substrate affinity to the transporter . The driving force for this transport activity is currently not known (By similarity). The role of hydrogencarbonate (HCO₃⁻, bicarbonate) as the probable counteranion that exchanges for organic anions is still not well defined . Functions as an uptake transporter at the apical membrane, suggesting a role in renal reabsorption (By similarity). Involved in the renal secretion of the uremic toxin ADMA...

Product:

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

Molecular Weight:

~78.9 kDa

Swiss-Prot:

Q6ZQN7

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

Specificity:

Recognizes endogenous levels of SLCO4C1 protein

DATA:

Western blot analysis of CHK2 expression in Jurkat (A) whole cell lysates.

Immunofluorescent analysis of CHK2 staining in HCT116 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 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

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@bioworld.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