

## SLC22A4 polyclonal antibody

Catalog: BCP01525

Host: Rabbit

Reactivity: Human,Mouse,Rat

### BackGround:

Carnitine (b-hydroxy-g-trimethylaminobutyrate) is a small, highly polar compound that aids in the b-oxidation of long-chain fatty acids. Organic cation/carnitine transporters (OCTN) assist in the elimination of cationic compounds, including xenobiotics, and transport carnitine for reabsorption in the kidney. Similar to organic cation transporters (OCT), OCTN proteins localize to the plasma membrane of epithelial cells. OCTN1 is expressed in kidney, trachea, bone marrow and fetal liver. OCTN2 is abundantly expressed in kidney, skeletal muscle, placenta and heart. OCTN3 is strongly expressed in testis and weakly expressed in kidney. The gene encoding human OCTN1 maps to chromosome 5 and the gene encoding human OCTN2 maps to chromosome 5q31. Mutations in the gene encoding OCTN2 leads to systemic carnitine deficiency (SCD), an autosomal recessive disorder characterized by cardiomyopathy, skeletal myopathy, lethargy, hypoglycemia and hyperammonemia.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 62 kDa

### Swiss-Prot:

Q9H015

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

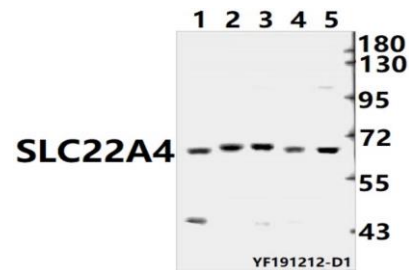
### Storage&Stability:

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

### Specificity:

SLC22A4 polyclonal antibody detects endogenous levels of SLC22A4 protein.

### DATA:



Western blot (WB) analysis of RIP pAb at 1:1000 dilution

Lane1:HCT116 whole cell lysate(40ug)

Lane2:HEK293T whole cell lysate(40ug)

Lane3:Myla2059 whole cell lysate(40ug)

Lane4:Jurkat whole cell lysate(40ug)

Lane5:MCF-7 whole cell lysate (40ug)

### Note:

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