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SLC22A5

Reactivity: Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW:63kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human SLC22A5

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

CDSP; FLJ46769; OCTN2; OCTN2VT;

Catalog #:A1676

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:6584

Isotype: IgG

Swiss Prot:O76082

Purity: Affinity purification

For research use only.

Background:

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. The encoded protein is a plasma integral membrane protein which functions both as an organic cation transporter and as a sodium-dependent high affinity carnitine transporter. The encoded protein is involved in the active cellular uptake of carnitine. Mutations in this gene are the cause of systemic primary carnitine deficiency (CDSP), an autosomal recessive disorder manifested early in life by hypoketotic hypoglycemia and acute metabolic decompensation, and later in life by skeletal myopathy or cardiomyopathy. [provided by RefSeq, Jul 2008]

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