

OCTN2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP06335
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC22A5. AA range:300-349
Mol wt	62752
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	OCTN2 Antibody
Synonyms	SLC22A5; OCTN2; Solute carrier family 22 member 5; High-affinity sodium-dependent carnitine cotransporter; Organic cation/carnitine transporter 2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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 SLC22A5 (solute carrier family 22 member 5) 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. Alternative splicing of SLC22A5 results in multiple transcript variants.

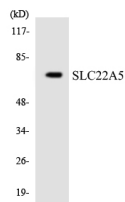
Recommended Dilution

WB: 1: 500 - 1: 2000

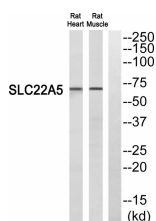
ELISA: 1: 20000

Not yet tested in other applications.

Images



Western blot analysis of the lysates from HeLa cells using SLC22A5 antibody.



Western blot analysis of SLC22A5 Antibody. The lane on the right is blocked with the SLC22A5 peptide.

Storage

-20°C for one year

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