

Datasheet for ABIN2789487
anti-SLC22A5 antibody (C-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	SLC22A5
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC22A5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of SLC22A5
Sequence:	TLFLPESFGT PLPDTIDQML RVKGMKHRKT PSHTRMLKDG QERPTILKST
Predicted Reactivity:	Cow: 79%, Guinea Pig: 79%, Horse: 86%, Human: 100%, Mouse: 77%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against SLC22A5. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	SLC22A5
Alternative Name:	SLC22A5 (SLC22A5 Products)
Background:	Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are

Target Details

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.

Alias Symbols: CDSP, FLJ46769, OCTN2, OCTN2VT

Protein Interaction Partner: UBC, ELAVL1, PDZD3, SLC9A3R2, SLC9A3R1, PDZK1,

Protein Size: 557

Molecular Weight:	61 kDa
-------------------	--------

Gene ID:	6584
----------	------

NCBI Accession:	NM_003060 , NP_003051
-----------------	---

UniProt:	O76082
----------	------------------------

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
--------------------	--

Comment:	Antigen size: 557 AA
----------	----------------------

Restrictions:	For Research Use only
---------------	-----------------------

Handling

Format:	Liquid
---------	--------

Concentration:	Lot specific
----------------	--------------

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
---------	---

Preservative:	Sodium azide
---------------	--------------

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
--------------------	--

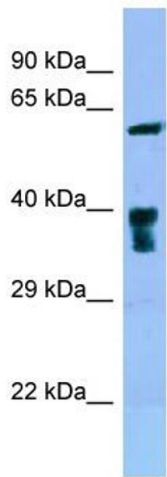
Handling Advice:	Avoid repeated freeze-thaw cycles.
------------------	------------------------------------

Storage:	-20 °C
----------	--------

Handling

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-SLC22A5 Antibody Titration: 1.0 ug/ml Positive Control: Hela Whole Cell SLC22A5 is supported by BioGPS gene expression data to be expressed in HeLa