

SLC22A1 polyclonal antibody

Catalog # PAB15968

Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SLC22A1.
Immunogen	A synthetic peptide corresponding to C-terminus of human SLC22A1.
Sequence	DWNQSALSCVDPLASLA
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	ELISA (1:2000-1:5000) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

Gene Info — SLC22A1

Entrez GeneID

[6580](#)

Gene Name	SLC22A1
Gene Alias	HOCT1, OCT1, oct1_cds
Gene Description	solute carrier family 22 (organic cation transporter), member 1
Omim ID	602607
Gene Ontology	Hyperlink
Gene Summary	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. This gene is one of three similar cation transporter genes located in a cluster on chromosome 6. The encoded protein contains twelve putative transmembrane domains and is a plasma integral membrane protein. Two transcript variants encoding two different isoforms have been found for this gene, but only the longer variant encodes a functional transporter. [provided by RefSeq]
Other Designations	OTTHUMP00000017537 organic cation transporter 1 solute carrier family 22 member 1

Publication Reference

- [Drug specificity and intestinal membrane localization of human organic cation transporters \(OCT\).](#)

Muller J, Lips KS, Metzner L, Neubert RH, Koepsell H, Brandsch M.

Biochemical Pharmacology 2005 Dec; 70(12):1851.

Application: IF, Human, Caco-2 cells, Small intestine

- [Metformin is a superior substrate for renal organic cation transporter OCT2 rather than hepatic OCT1.](#)

Kimura N, Masuda S, Tanihara Y, Ueo H, Okuda M, Katsura T, Inui K.

Drug Metabolism and Pharmacokinetics 2005 Oct; 20(5):379.

- [Regulation of the human organic cation transporter hOCT1.](#)

Ciarimboli G, Struwe K, Arndt P, Gorboulev V, Koepsell H, Schlatter E, Hirsch JR.

Journal of Cellular Physiology 2004 Dec; 201(3):420.

Disease

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- [Diabetes Mellitus](#)

- [Diabetic Nephropathies](#)
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