

SLC22A13 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SLC22A13.

Catalog # AT3908a

Product Information

Application	WB, E
Primary Accession	Q9Y226
Other Accession	NM_004256
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1E7
Calculated MW	60862

Additional Information

Gene ID	9390
Other Names	Solute carrier family 22 member 13, Organic cation transporter-like 3, ORCTL-3, SLC22A13, OCTL1, ORCTL3
Target/Specificity	SLC22A13 (NP_004247, 38 a.a. ~ 139 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	SLC22A13 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

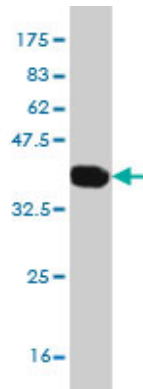
This gene encodes a member of the organic-cation transporter family. It is located in a gene cluster with another member of the family, organic cation transporter like 4. The encoded protein is a transmembrane protein involved in the transport of small molecules. This protein can function to mediate urate uptake and is a high affinity nicotinate exchanger in the kidneys and the intestine.

References

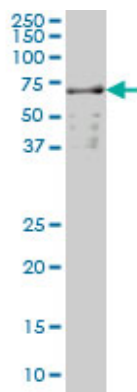
Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. The effects of genetic polymorphisms in the

organic cation transporters OCT1, OCT2, and OCT3 on the renal clearance of metformin. Tzvetkov MV, et al. Clin Pharmacol Ther, 2009 Sep. PMID 19536068. Isolation of ORCTL3 in a novel genetic screen for tumor-specific apoptosis inducers. Irshad S, et al. Cell Death Differ, 2009 Jun. PMID 19282870. Identification of a new urate and high affinity nicotinate transporter, hOAT10 (SLC22A13). Bahn A, et al. J Biol Chem, 2008 Jun 13. PMID 18411268. Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.

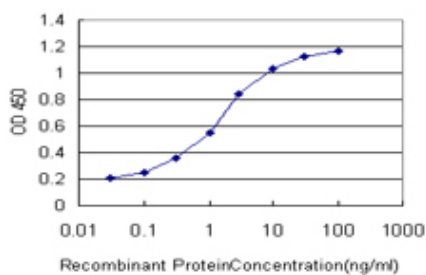
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.96 KDa) .



SLC22A13 monoclonal antibody (M01), clone 1E6 Western Blot analysis of SLC22A13 expression in A-431 (Cat # AT3908a)



Detection limit for recombinant GST tagged SLC22A13 is approximately 0.03ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.