



# OCT1 Monoclonal Antibody

<b>Catalog No</b>	BYab-16306
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	WB;FCM;ELISA
<b>Gene Name</b>	SLC22A1
<b>Protein Name</b>	Solute carrier family 22 member 1
<b>Immunogen</b>	Purified recombinant fragment of human OCT1 expressed in E. Coli.
<b>Specificity</b>	OCT1 Monoclonal Antibody detects endogenous levels of 41183 protein.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	Affinity purification
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	SLC22A1; OCT1; Solute carrier family 22 member 1; Organic cation transporter 1; hOCT1
<b>Observed Band</b>	
<b>Cell Pathway</b>	Basolateral cell membrane ; Multi-pass membrane protein .
<b>Tissue Specificity</b>	Widely expressed with high level in liver. Isoform 1 and isoform 2 are expressed in liver. Isoform 1, isoform 2, isoform 3 and isoform 4 are expressed in glial cell lines.
<b>Function</b>	caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,function:Translocates a broad array of organic cations with various structures and molecular weights including the model compounds 1-methyl-4-phenylpyridinium (MPP), tetraethylammonium (TEA), N-1-methylnicotinamide (NMN), 4-(4-(dimethylamino)styryl)-N-methylpyridinium (ASP), the endogenous compounds choline, guanidine, histamine, epinephrine, adrenaline, noradrenaline and dopamine, and the drugs quinine, and metformin. The transport of organic cations is inhibited by a broad array of compounds like tetramethylammonium (TMA), cocaine, lidocaine, NMDA receptor antagonists, atropine, prazosin, cimetidine, TEA and NMN, guanidine, cimetidine, choline, procainamide, quinine, tetrabutylammonium, and tetrapentylammonium. Translocates organic cations in

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**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. 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, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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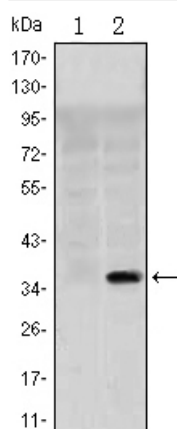
网址: [www.njbybio.com](http://www.njbybio.com)

官方热线: 025-5229-8998

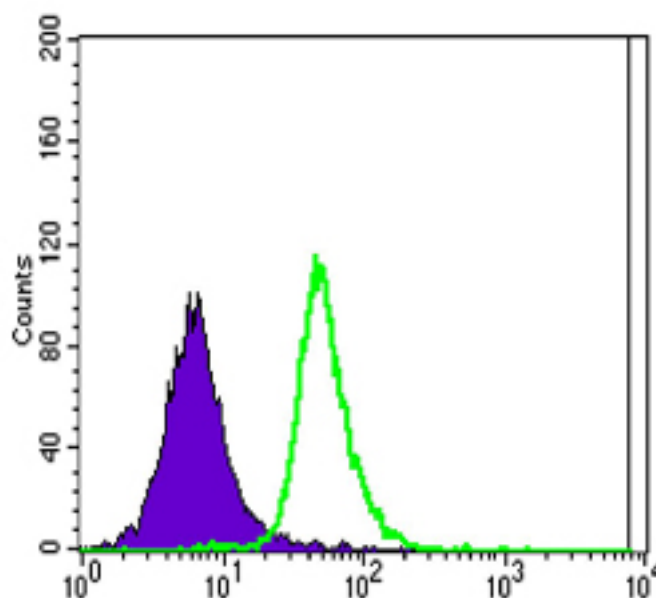
监督电话: 15950492658



## Products Images



Western Blot analysis using OCT1 Monoclonal Antibody against HEK293 (1) and SLC22A1-hlgGfc transfected HEK293 (2) cell lysate.



Flow cytometric analysis of Jurkat cells using OCT1 Monoclonal Antibody (green) and negative control (purple).

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