Characterization of an N-system Amino Acid Transporter Involvement in Glutamine Transport

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Citation Report

#	Article	IF	Citations
1	Metabolic substrates other than glucose support axon function in central white matter. Journal of Neuroscience Research, 2001, 66, 839-843.	1.3	73
2	Current understanding of neuroprotection in glaucoma. Current Opinion in Ophthalmology, 2002, 13, 61-67.	1.3	43
3	Adaptation of plasma membrane amino acid transport mechanisms to physiological demands. Pflugers Archiv European Journal of Physiology, 2002, 444, 457-466.	1.3	126
4	Glutamine transport in C6 glioma cells shows ASCT2 system characteristics. Neurochemistry International, 2003, 43, 501-507.	1.9	40
5	Functional Properties and Cellular Distribution of the System A Glutamine Transporter SNAT1 Support Specialized Roles in Central Neurons. Journal of Biological Chemistry, 2003, 278, 23720-23730.	1.6	126
6	Identification and Functional Characterization of a Na+-Independent Large Neutral Amino Acid Transporter, LAT1, in Human and Rabbit Cornea. , 2003, 44, 2919.		52
7	Mouse system-N amino acid transporter, mNAT3, expressed in hepatocytes and regulated by insulin-activated and phosphoinositide 3-kinase-dependent signalling. Biochemical Journal, 2003, 371, 721-731.	1.7	15
8	Characterization of an organic anion transport system in a placental cell line. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E1103-E1109.	1.8	12
9	Effect of melatonin on the retinal glutamate/glutamine cycle in the golden hamster retina. FASEB Journal, 2004, 18, 1912-1913.	0.2	22
10	Sodium-coupled neutral amino acid (System N/A) transporters of the SLC38 gene family. Pflugers Archiv European Journal of Physiology, 2004, 447, 784-795.	1.3	441
11	Identification and functional characterization of a Na+-independent large neutral amino acid transporter (LAT2) on ARPE-19 cells. International Journal of Pharmaceutics, 2004, 275, 189-200.	2.6	25
12	Novel motifs in amino acid permease genes from Leishmania. Biochemical and Biophysical Research Communications, 2004, 325, 353-366.	1.0	27
13	Glutamine uptake and expression of mRNAâ€™s of glutamine transporting proteins in mouse cerebellar and cerebral cortical astrocytes and neurons. Neurochemistry International, 2004, 44, 75-81.	1.9	52
14	Topical and systemic drug delivery to the posterior segments. Advanced Drug Delivery Reviews, 2005, 57, 2010-2032.	6.6	327
15	Differential Regulation of Amino Acid Transporter SNAT3 by Insulin in Hepatocytes. Journal of Biological Chemistry, 2005, 280, 26055-26062.	1.6	37
16	GENE EXPRESSION IN HUMAN HEPATOCYTES IN SUSPENSION AFTER ISOLATION IS SIMILAR TO THE LIVER OF ORIGIN, IS NOT AFFECTED BY HEPATOCYTE COLD STORAGE AND CRYOPRESERVATION, BUT IS STRONGLY CHANGED AFTER HEPATOCYTE PLATING. Drug Metabolism and Disposition, 2006, 34, 870-879.	1.7	120
17	Identification and Functional Expression of a Carrier-Mediated Riboflavin Transport System on Rabbit Corneal Epithelium. Current Eye Research, 2006, 31, 811-824.	0.7	20
18	3 Histidine. , 2007, , 47-58.		1

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19	Expression and Function of System N Glutamine Transporters (SN1/SN2 or SNAT3/SNAT5) in Retinal Ganglion Cells. , 2008, 49, 5151.		26
20	The Mammalian Transporter Families. , 2008, , 91-146.		5
21	SNAT2 Amino Acid Transporter Is Regulated by Amino Acids of the SLC6 Î³-Aminobutyric Acid Transporter Subfamily in Neocortical Neurons and May Play No Role in Delivering Glutamine for Glutamatergic Transmission. Journal of Biological Chemistry, 2009, 284, 11224-11236.	1.6	42
22	Subtoxic chlorpyrifos treatment resulted in differential expression of genes implicated in neurological functions and development. Archives of Toxicology, 2009, 83, 319-333.	1.9	21
23	SNAT1 and a family with high rates of suicidal behavior. Neuroscience, 2009, 162, 415-422.	1.1	8
24	Overexpression of ATA1/SLC38A1 Predicts Future Recurrence and Death in Chinese Patients with Hilar Cholangiocarcinoma. Journal of Surgical Research, 2011, 171, 663-668.	0.8	28
25	Membrane Topological Structure of Neutral System N/A Amino Acid Transporter 4 (SNAT4) Protein. Journal of Biological Chemistry, 2011, 286, 38086-38094.	1.6	11
26	Identification of SLC38A7 (SNAT7) Protein as a Glutamine Transporter Expressed in Neurons. Journal of Biological Chemistry, 2011, 286, 20500-20511.	1.6	100
27	Chronic maternal infusion of fullâ€length adiponectin in pregnant mice downâ€regulates placental amino acid transporter activity and expression and decreases fetal growth. Journal of Physiology, 2012, 590, 1495-1509.	1.3	80
28	Transporter-Targeted Lipid Prodrugs of Cyclic Cidofovir: A Potential Approach for the Treatment of Cytomegalovirus Retinitis. Journal of Pharmaceutical Sciences, 2012, 101, 3249-3263.	1.6	20
29	Evolutionary origin of amino acid transporter families SLC32, SLC36 and SLC38 and physiological, pathological and therapeutic aspects. Molecular Aspects of Medicine, 2013, 34, 571-585.	2.7	125
30	Mammalian target of rapamycin signalling modulates amino acid uptake by regulating transporter cell surface abundance in primary human trophoblast cells. Journal of Physiology, 2013, 591, 609-625.	1.3	152
31	Cell Surface Proteomic Map of HIV Infection RevealsÂAntagonism of Amino Acid Metabolism by Vpu and Nef. Cell Host and Microbe, 2015, 18, 409-423.	5.1	158
32	Transport of l-Glutamine, l-Alanine, l-Arginine and l-Histidine by the Neuron-Specific Slc38a8 (SNAT8) in CNS. Journal of Molecular Biology, 2015, 427, 1495-1512.	2.0	53
33	N-Glycosylation influences transport, but not cellular trafficking, of a neuronal amino acid transporter SNAT1. Biochemical Journal, 2016, 473, 4227-4242.	1.7	1
34	The Glutamine Transporters and Their Role in the Glutamate/GABAâ€“Glutamine Cycle. Advances in Neurobiology, 2016, 13, 223-257.	1.3	50
35	Various plus unique: Viral protein U as a plurifunctional protein for HIV-1 replication. Experimental Biology and Medicine, 2017, 242, 850-858.	1.1	8
36	Maternal supplementation with uridine influences fatty acid and amino acid constituents of offspring in a sowâ€“piglet model. British Journal of Nutrition, 2021, 125, 743-756.	1.2	17

#	Article	IF	Citations
37	A Novel Ferroptosis-Related Biomarker Signature to Predict Overall Survival of Esophageal Squamous Cell Carcinoma. Frontiers in Molecular Biosciences, 2021, 8, 675193.	1.6	24
38	Effect of type 2 diabetes mellitus on placental expression and activity of nutrient transporters and their association with birth weight and neonatal adiposity. Molecular and Cellular Endocrinology, 2021, 532, 111319.	1.6	13
40	Identification of a Disulfide Bridge Important for Transport Function of SNAT4 Neutral Amino Acid Transporter. PLoS ONE, 2013, 8, e56792.	1.1	4
41	Identification of a Disulfide Bridge in Sodium-Coupled Neutral Amino Acid Transporter 2(SNAT2) by Chemical Modification. PLoS ONE, 2016, 11, e0158319.	1.1	3
42	Entorhinal cortex-based metabolic profiling of chronic restraint stress mice model of depression. Aging, 2020, 12, 3042-3052.	1.4	11
43	Utility of transporter/receptor(s) in drug delivery to the eye. World Journal of Pharmacology, 2013, 2, 1.	1.3	11
44	Residue cysteine 232 is important for substrate transport of neutral amino acid transporter, SNAT4. International Journal of Biochemistry and Molecular Biology, 2012, 3, 374-83.	0.1	1
45	Identification of Myelin Basic Protein Proximity Interactome Using TurboID Labeling Proteomics. Cells, 2023, 12, 944.	1.8	0
46	Abundance of Amino Acid Transporters and mTOR Pathway Components in the Gastrointestinal Tract of Lactating Holstein Cows. Animals, 2023, 13, 1189.	1.0	2