



SNAT2 Monoclonal Antibody

Catalog No	YP-mAb-00731
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	SLC38A2
Immunogen	The antiserum was produced against synthesized peptide derived from human SLC38A2. AA range:151-200
Specificity	SNAT2 Monoclonal Antibody detects endogenous levels of SNAT2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SLC38A2;ATA2;KIAA1382;PRO168;Protein 4 9 1;SNAT2;Sodium-coupled neutral amino acid transporter 2;SAT2;Amino acid transporter A2;Protein 40-9-1; Solute carrier family 38 member 2;System A amino acid transporter 2;System A transporter 1;System N amino a
Observed Band	50kD
Calculated Molecular Weight	50kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein . Insulin promotes recruitment to the plasma membrane from a pool localized in the trans-Golgi network or endosomes (By similarity). Enriched in the somatodendritic compartment of neurons, it is also detected at the axonal shaft but excluded from the nerve terminal. .
Tissue Specificity	Ubiquitously expressed. Widely expressed in the central nervous system with higher concentrations in caudal regions. Expressed by glutamatergic and GABAergic neurons together with astrocytes and other non-neuronal cells in the cerebral cortex (at protein level).
Function	enzyme regulation:Inhibited by N-methyl-D-glucamine and probably choline., function:Functions as a sodium-dependent amino acid transporter. Mediates the saturable, pH-sensitive and electrogenic cotransport of neutral amino acids and



sodium ions with a stoichiometry of 1:1. May function in the transport of amino acids at the blood-brain barrier and in the supply of maternal nutrients to the fetus through the placenta.,induction:Up-regulated upon hypertonic conditions and amino acid deprivation.,miscellaneous:Depletion of SCL38A2 by siRNA prevents the recovery of cells from hypertonic stress.,PTM:Polyubiquitination by NEDD4L regulates the degradation and the activity of SLC38A2.,similarity:Belongs to the amino acid/polyamine transporter 2 family.,subcellular location:Insulin promotes recruitment to the plasma membrane from a pool localized in the trans-Golgi network or endosomes (By similar

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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.

Products Images



Western Blot analysis of various cells using SNAT2
Monoclonal Antibody

