

Rabbit SLC38A1 Polyclonal Antibody | anti-SLC38A1 antibody

SLC38A1 Antibody

CATALOG # AAA328726	HOST Rabbit	REACTIVITY Human, Mouse, Rat Predicted: Pig, Horse, Sheep, Rabbit, Dog, Chicken	APPLICATIONS Western Blot
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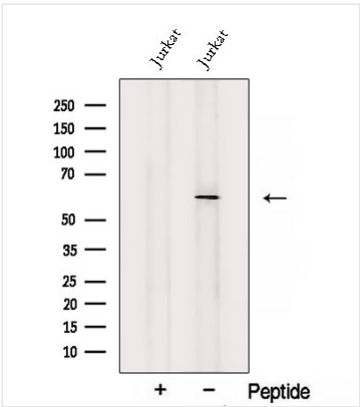
PRODUCT SYNONYMS

SLC38A1; Polyclonal Antibody; SLC38A1 Antibody; Amino acid transporter A1; Amino acid transporter system A1; ATA 1; ATA1; N-system amino acid transporter 2; NAT 2; NAT2; S38A1_HUMAN; SAT 1; SAT1; SNAT 1; SNAT1; Sodium-coupled neutral amino acid transporter 1; Solute carrier family 38 member 1; System A amino acid transporter 1; System N amino acid transporter 1; anti-SLC38A1 antibody

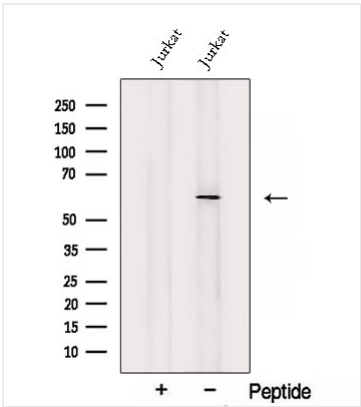
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Horse, Sheep, Rabbit, Dog, Chicken
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC38A1 Antibody detects endogenous levels of SLC38A1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	487
Applicable Applications for anti-SLC38A1 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human SLC38A1.
Tissue Specificity	Expressed in the cerebral cortex by pyramidal and GABAergic neurons, astrocytes and other non-neuronal cells (at protein level). Expressed in placenta, heart, lung, skeletal muscle, spleen, stomach and testis.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Plasma Membrane
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from Jurkat cells, using SLC38A1 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from HepG2, using SLC38A1 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC38A1 antibody	Description: Functions as a sodium-dependent amino acid transporter. Mediates the saturable, pH-sensitive and electrogenic cotransport of glutamine and sodium ions with a stoichiometry of 1:1. May also transport small zwitterionic and aliphatic amino acids with a lower affinity. May supply glutamatergic and GABAergic neurons with glutamine which is required for the synthesis of the neurotransmitters glutamate and GABA. Similarity: Belongs to the amino acid/polyamine transporter 2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117168275
NCBI GeneID	81539
NCBI Accession #	NP_109599.3
NCBI GenBank Nucleotide #	NP_109599.3
UniProt Accession #	Q9H2H9
Molecular Weight	Observed: 60 kDa Predicted: 55 kDa
NCBI Official Full Name	sodium-coupled neutral amino acid transporter 1 isoform 1
NCBI Official Synonym Full Names	solute carrier family 38 member 1
NCBI Official Symbol	SLC38A1
NCBI Official Synonym Symbols	ATA1; NAT2; SAT1; SNAT1
NCBI Protein Information	sodium-coupled neutral amino acid transporter 1
UniProt Protein Name	Sodium-coupled neutral amino acid transporter 1
UniProt Gene Name	SLC38A1
UniProt Synonym Gene Names	ATA1; NAT2; SAT1; SNAT1
UniProt Entry Name	S38A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

