

Rabbit SLC38A3 Polyclonal Antibody | anti-SLC38A3 antibody

SLC38A3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323143	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

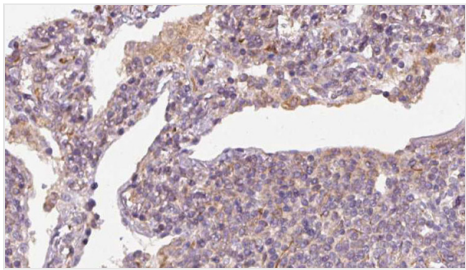
PRODUCT SYNONYMS

SLC38A3; Polyclonal Antibody; SLC38A3 Antibody; G17; N system amino acid transporter 1; N-system amino acid transporter 1; Na(+)-coupled neutral amino acid transporter 3; NAT1; SN1; SNAT3; Sodium coupled neutral amino acid transporter 3; Sodium-coupled neutral amino acid transporter 3; Solute carrier family 38 member 3; System N amino acid transporter 1; System N1 Na⁺ and H⁺ coupled glutamine transporter; anti-SLC38A3 antibody

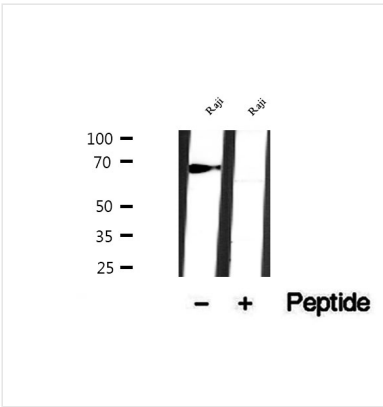
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC38A3 antibody detects endogenous levels of SLC38A3.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
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	504
Applicable Applications for anti-SLC38A3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SLC38A3.
Subcellular Location	Cell Membrane; Multipass Membrane Protein
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323143 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of Raji cells, using SLC38A3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC38A3 antibody	Function: Sodium-dependent amino acid/proton antiporter. Mediates electrogenic cotransport of glutamine and sodium ions in exchange for protons. Also recognizes histidine, asparagine and alanine. May mediate amino acid transport in either direction under physiological conditions. May play a role in nitrogen metabolism and synaptic transmission. Similarity: Belongs to the amino acid/polyamine transporter 2 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5870893
NCBI GeneID	10991
NCBI Accession #	NP_006832.1
NCBI GenBank Nucleotide #	NM_006841.5
UniProt Accession #	Q99624; Q6IB34; B2R8Q0
Molecular Weight	Observed: 65-70 kDa Predicted: 56 kDa
NCBI Official Full Name	sodium-coupled neutral amino acid transporter 3
NCBI Official Synonym Full Names	solute carrier family 38 member 3
NCBI Official Symbol	SLC38A3
NCBI Official Synonym Symbols	G17; SN1; NAT1; SNAT3
NCBI Protein Information	sodium-coupled neutral amino acid transporter 3
UniProt Protein Name	Sodium-coupled neutral amino acid transporter 3
UniProt Gene Name	SLC38A3

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.