

Rabbit anti-Human SLC38A3 Polyclonal Antibody | anti-SLC38A3 antibody

SLC38A3 Antibody (Center)

CATALOG # AAA289316	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
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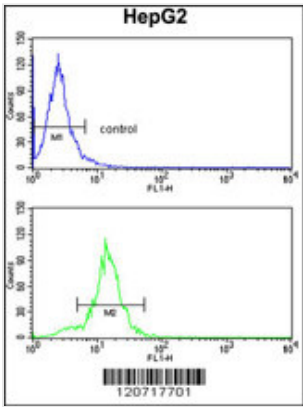
PRODUCT SYNONYMS

SLC38A3; Polyclonal Antibody; SLC38A3 Antibody (Center); Sodium-coupled neutral amino acid transporter 3; N-system amino acid transporter 1; Na(+)-coupled neutral amino acid transporter 3; Solute carrier family 38 member 3; System N amino acid transporter 1; SLC38A3 {ECO:0000312|EMBL:AAH428751}; anti-SLC38A3 antibody

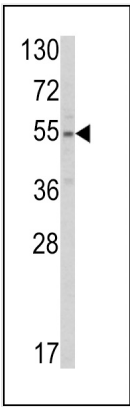
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SLC38A3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 442-468 amino acids from the Central region of human SLC38A3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	442-468
Sequence Length	504
Applicable Applications for anti-SLC38A3 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
SLC38A3 Antibody (Center) flow cytometry analysis of HepG2 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of SLC38A3 Antibody (Center) in HepG2 cell line lysates (35ug/lane). SLC38A3 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC38A3 antibody	SLC38A3 is sodium-dependent amino acid/proton antiporter.It mediates electrogenic cotransport of glutamine and sodium ions in exchange for protons and also recognizes histidine, asparagine and alanine. This protein may mediate amino acid transport in either direction under physiological conditions. It may play a role in nitrogen metabolism and synaptic transmission.
Product Categories/Family for anti-SLC38A3 antibody	Metabolism; Signal Transduction
References	Sidoryk,M., et.al., Neuroreport 15 (4), 575-578 (2004)

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	55773
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
UniProt Entry Name	S38A3_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.

