

Rabbit anti-Human, Rat SLC11A1 Polyclonal Antibody | anti-SLC11A1 antibody

SLC11A1 Antibody

CATALOG # AAA234109	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

SLC11A1; Polyclonal Antibody; SLC11A1 Antibody; Natural resistance-associated macrophage protein 1; NRAMP 1; Solute carrier family 11 member 1; LSH; NRAMP; NRAMP1; anti-SLC11A1 antibody

PRODUCT SPECIFICATIONS

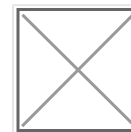
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	550
Applicable Applications for anti-SLC11A1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Natural resistance-associated macrophage protein 1 protein (1-58AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

IHC image of AAA234109 diluted at 1:300 and staining in paraffin-embedded human skeletal muscle tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western BlotPositive WB detected in: Rat heart tissueAll lanes: SLC11A1 antibody at 5ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 60, 48 KDaObserved band size: 60 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-SLC11A1 antibody	Divalent transition metal (iron and manganese) transporter involved in iron metabolism and host resistance to certain pathogens. Macrophage-specific membrane transport function. Controls natural resistance to infection with intracellular parasites. Pathogen resistance involves sequestration of Fe(2+) and Mn(2+), cofactors of both prokaryotic and eukaryotic catalases and superoxide dismutases, not only to protect the macrophage against its own generation of reactive oxygen species, but to deny the cations to the pathogen for synthesis of its protective enzymes.
Product Categories/Family for anti-SLC11A1 antibody	Immunology; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	109255241
NCBI GeneID	6556
NCBI Accession #	NP_000569.3
NCBI GenBank Nucleotide #	NM_000578.3
UniProt Accession #	P49279; C0H5Y3
Molecular Weight	47,292 Da
NCBI Official Full Name	natural resistance-associated macrophage protein 1
NCBI Official Synonym Full Names	solute carrier family 11 member 1
NCBI Official Symbol	SLC11A1
NCBI Official Synonym Symbols	LSH; NRAMP; NRAMP1
NCBI Protein Information	natural resistance-associated macrophage protein 1
UniProt Protein Name	Natural resistance-associated macrophage protein 1
UniProt Gene Name	SLC11A1
UniProt Synonym Gene Names	LSH; NRAMP; NRAMP1; NRAMP 1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc11a1-antibody-immunohistochemistry-western-blot-elisa/234109>