

Rabbit SLC11A2 / DMT1 Polyclonal Antibody | anti-SLC11A2 antibody

Rabbit Polyclonal to Human SLC11A2 / DMT1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51406	Rabbit	Gibbon, Chimpanzee, Gorilla, Human, Monkey, Orangutan Predicted Reactivity: Rat, Bovine, Hamster, Horse (at least 90% immunogen sequence identity)	Immunohistochemistry

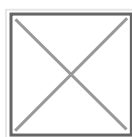
PRODUCT SYNONYMS

SLC11A2 / DMT1; Polyclonal Antibody; Rabbit Polyclonal to Human SLC11A2 / DMT1; Anti-SLC11A2 / DMT1 Antibody (Internal) IHC-plus; SLC11A2; Divalent metal transporter 1; Divalent cation transporter 1; DMT-1; NRAMP 2; NRAMP2; Dct-1; DCT1; DMT1; Human SLC11A2; anti-SLC11A2 antibody

PRODUCT SPECIFICATIONS

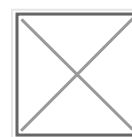
Host	Rabbit
Reactivity	Gibbon, Chimpanzee, Gorilla, Human, Monkey, Orangutan Predicted Reactivity: Rat, Bovine, Hamster, Horse (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human SLC11A2. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	561
Applicable Applications for anti-SLC11A2 antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 16 amino acid peptide from internal region of human SLC11A2. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey, Marmoset (100%); Galago, Rat, Hamster, Bovine, Horse (94%).
Immunogen Type	Synthetic peptide
Immunogen	SLC11A2 / DMT1 antibody was raised against synthetic 16 amino acid peptide from internal region of human SLC11A2. Percent identity with other species by BLAST analysis: Human, Chimpanzee, Gorilla, Orangutan, Gibbon, Monkey, Marmoset (100%); Galago, Rat, Hamster, Bovine, Horse (94%); Mouse, Elephant (88%); Dog, Bat, Rabbit, Pig, Guinea pig (81%).
Antigen Modification	Internal
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C

IMAGES



IHC (Immunohistochemistry)

Anti-SLC11A2 antibody IHC of human, kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)

Anti-SLC11A2 antibody IHC of human, pancreas. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC11A2 antibody	Solute carrier family 11, member 2 (SLCA2) also known as divalent metal ion transporter 1 (DMT1) imports Fe2+ via a proton-coupled, membrane potential dependent manner. It can also transport a variety of other divalent metal cations including Mn2+, Co2+, Cu2+, and Zn2+ but iron appears to be its most important physiological substrate.
Product Categories/Family for anti-SLC11A2 antibody	Family: Transporter ; Subfamily: Natural resistance-associated macrophage protein (NRAMP)

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835169
NCBI GeneID	4891
NCBI Accession #	NP_000608.1
NCBI GenBank Nucleotide #	NM_000617.2
UniProt Accession #	P49281 ; O43288 ; O60932 ; O94801 ; Q498Z5 ; Q8IUD7 ; Q96J35 ; B3KT08 ; B4DK84 ; F5H741
Molecular Weight	61,048 Da
NCBI Official Full Name	natural resistance-associated macrophage protein 2 isoform 3
NCBI Official Synonym Full Names	solute carrier family 11 (proton-coupled divalent metal ion transporter), member 2
NCBI Official Symbol	SLC11A2
NCBI Official Synonym Symbols	DCT1; DMT1; NRAMP2
NCBI Protein Information	natural resistance-associated macrophage protein 2; DMT-1; NRAMP 2; divalent cation transporter 1; solute carrier family 11 member 2; solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2
UniProt Protein Name	Natural resistance-associated macrophage protein 2
UniProt Gene Name	SLC11A2
UniProt Synonym Gene Names	DCT1; DMT1; NRAMP2; NRAMP 2; DMT-1
UniProt Entry Name	NRAM2_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.