

SLC11A1 rabbit monoclonal antibody

Catalog # H00006556-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human SLC11A1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human SLC11A1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human SLC11A1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — SLC11A1

Entrez GeneID	6556
GeneBank Accession#	SLC11A1
Gene Name	SLC11A1
Gene Alias	LSH, NRAMP, NRAMP1
Gene Description	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1
Omim ID	600266 607948
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the solute carrier family 11 (proton-coupled divalent metal ion transporters) family and encodes a multi-pass membrane protein. The protein functions as a divalent transition metal (iron and manganese) transporter involved in iron metabolism and host resistance to certain pathogens. Mutations in this gene have been associated with susceptibility to infectious diseases such as tuberculosis and leprosy, and inflammatory diseases such as rheumatoid arthritis and Crohn disease. Alternatively spliced variants that encode different protein isoforms have been described but the full-length nature of only one has been determined. [provided by RefSeq]
Other Designations	natural resistance-associated macrophage protein 1 solute carrier family 11 (sodium/phosphate symporters), member 1

Pathway

- [Lysosome](#)

Disease

- [Abortion](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Arthritis](#)
- [Asthma](#)

- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Brucellosis](#)
- [Campylobacter Infections](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chagas Cardiomyopathy](#)
- [Chagas Disease](#)
- [Chlamydia Infections](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Epstein-Barr Virus Infections](#)
- [Esophageal Neoplasms](#)
- [Fatigue Syndrome](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hyperparathyroidism](#)

- [Hypersensitivity](#)
- [Infection](#)
- [Inflammatory Bowel Diseases](#)
- [Leishmaniasis](#)
- [Leprosy](#)
- [Liver Cirrhosis](#)
- [Lung Diseases](#)
- [Lymphadenitis](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Sclerosis](#)
- [Mycobacterium avium-intracellulare Infection](#)
- [Mycobacterium Infections](#)
- [Periodontitis](#)
- [Pulmonary Disease](#)
- [Q Fever](#)
- [Salmonella Infections](#)
- [Sarcoidosis](#)
- [Scleroderma](#)
- [Silicosis](#)
- [Skin Ulcer](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Viremia](#)