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Datasheet for ABIN7161090

**anti-SLC11A1 antibody (AA 1-58) (Biotin)**

## Overview

Quantity:	100 µg
Target:	SLC11A1
Binding Specificity:	AA 1-58
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC11A1 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Natural resistance-associated macrophage protein 1 protein (1-58AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	SLC11A1
Alternative Name:	SLC11A1 ( <a href="#">SLC11A1 Products</a> )
Background:	Background: Divalent transition metal (iron and manganese) transporter involved in iron metabolism and host resistance to certain pathogens. Macrophage-specific membrane

## Target Details

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.

Aliases: LSH antibody, Natural resistance associated macrophage protein 1 antibody, Natural resistance-associated macrophage protein 1 antibody, NRAM1\_HUMAN antibody, NRAMP 1 antibody, NRAMP antibody, PBC antibody, SLC11A1 antibody, Solute carrier family 11 (proton coupled divalent metal ion transporters) member 1 antibody, solute carrier family 11 (sodium/phosphate symporters) member 1 antibody, Solute carrier family 11 member 1 antibody

UniProt: [P49279](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Production of Molecular Mediator of Immune Response](#), [Protein targeting to Nucleus](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.