

Datasheet for ABIN652453  
**anti-SLC11A1 antibody (AA 250-276)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	400 µL
Target:	SLC11A1
Binding Specificity:	AA 250-276
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC11A1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This SLC11A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 250-276 amino acids from the Central region of human SLC11A1.
Clone:	RB22005
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	SLC11A1
Alternative Name:	SLC11A1 ( <a href="#">SLC11A1 Products</a> )
Background:	NRAMP1, also known as SLC11A1, is a member of the solute carrier family 11 (proton-coupled

## Target Details

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 leprosy and tuberculosis, and inflammatory diseases such as Crohn disease and rheumatoid arthritis. Alternatively spliced variants that encode different protein isoforms have been described but the full-length nature of only one has been determined.

Molecular Weight: 59872

Gene ID: 6556

NCBI Accession: [NP\\_000569](#)

UniProt: [P49279](#)

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

## Application Details

Application Notes: WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

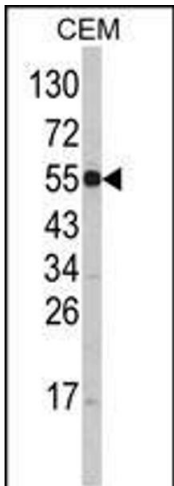
Preservative: Sodium azide

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

Storage: 4 °C, -20 °C

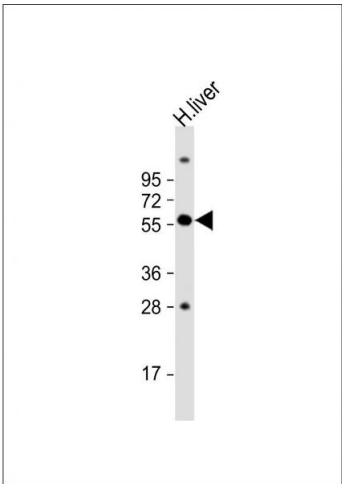
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



#### Western Blotting

**Image 1.** Western blot analysis of SLC11A1 Antibody (Center) (ABIN652453 and ABIN2842307) in CEM cell line lysates (35 µg/lane). SLC11A1 (arrow) was detected using the purified Pab.



#### Western Blotting

**Image 2.** Anti-SLC11A1 Antibody (Center) at 1:1000 dilution + human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 60 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.