

Datasheet for ABIN657723  
**anti-SLC11A2 antibody (AA 262-291)**

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## Overview

Quantity:	400 µL
Target:	SLC11A2
Binding Specificity:	AA 262-291
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF)

## Product Details

Immunogen:	This SLC11A2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 262-291 amino acids from the Central region of human SLC11A2.
Clone:	RB34426
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	SLC11A2
Alternative Name:	SLC11A2 ( <a href="#">SLC11A2 Products</a> )
Background:	This gene encodes a member of the solute carrier family 11 protein family. The product of this gene transports divalent metals and is involved in iron absorption. Mutations in this gene are associated with hypochromic microcytic anemia with iron overload. A related solute carrier

## Target Details

	family 11 protein gene is located on chromosome 2. Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	62266
Gene ID:	4891
NCBI Accession:	<a href="#">NP_000608</a> , <a href="#">NP_001167596</a> , <a href="#">NP_001167597</a> , <a href="#">NP_001167598</a> , <a href="#">NP_001167599</a> , <a href="#">NP_001167600</a> , <a href="#">NP_001167601</a>
UniProt:	<a href="#">P49281</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a> , <a href="#">Proton Transport</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a>

## Application Details

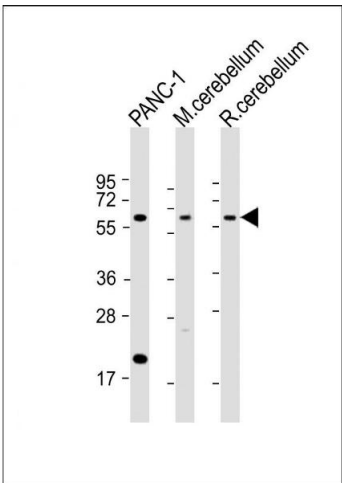
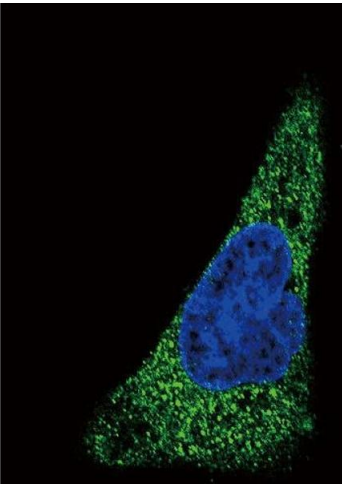
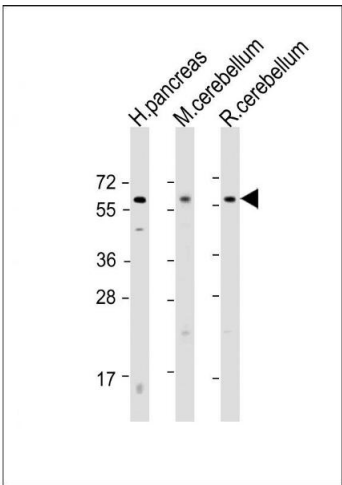
Application Notes:	IF: 1:10~50. WB: 1:2000. WB: 1:2000
Restrictions:	For Research Use only

## 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

## Publications

Product cited in:	Lanz, Masi, Porciello, Cohnen, Cipria, Prakaash, Bálint, Raggiaschi, Galgano, Cole, Lepore, Dushek, Dustin, Sansom, Kalli, Acuto: "Allosteric activation of T cell antigen receptor signaling by quaternary structure relaxation." in: <b>Cell reports</b> , Vol. 36, Issue 2, pp. 109375, (2022) ( <a href="#">PubMed</a> ).
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### Western Blotting

**Image 1.** All lanes : Anti-SLC11A2 Antibody (Center) at 1:2000 dilution Lane 1: human pancreas lysate Lane 2: mouse cerebellum lysate Lane 3: rat cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 62 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

### Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of SLC11A2 Antibody (Center) (ABIN657723 and ABIN2846709) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

### Western Blotting

**Image 3.** All lanes : Anti-SLC11A2 Antibody (Center) at 1:2000 dilution Lane 1: NC-1 whole cell lysate Lane 2: mouse cerebellum lysate Lane 3: rat cerebellum lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 62 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.