



[Go to Product page](#)

Datasheet for ABIN2781713

anti-SLC39A4 antibody (N-Term)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	SLC39A4
Binding Specificity:	N-Term
Reactivity:	Human, Rabbit, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC39A4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human SLC39A4
Sequence:	ASLVSLELGL LLAVLVVTAT ASPPAGLLSL LTSGQGALDQ EALGGLLNTL
Predicted Reactivity:	Cow: 86%, Human: 100%, Rabbit: 86%
Characteristics:	This is a rabbit polyclonal antibody against SLC39A4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	SLC39A4
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Target Details

Alternative Name:	SLC39A4 (SLC39A4 Products)
Background:	<p>SLC39A4 is a member of the zinc/iron-regulated transporter-like protein (ZIP) family. The transmembrane protein is required for zinc uptake in the intestine. Mutations in the gene encoding SLC39A4 result in acrodermatitis enteropathica, a rare inherited defect in the absorption of dietary zinc. This gene encodes a member of the zinc/iron-regulated transporter-like protein (ZIP) family. The transmembrane protein is required for zinc uptake in the intestine. Mutations in this gene result in acrodermatitis enteropathica, a rare inherited defect in the absorption of dietary zinc. Multiple transcript variants encoding different isoforms have been found for this gene.</p> <p>Alias Symbols: AEZ, FLJ20327, MGC74741, ZIP4, AWMS2</p> <p>Protein Interaction Partner: UBC,</p> <p>Protein Size: 647</p>
Molecular Weight:	68 kDa
Gene ID:	55630
NCBI Accession:	NM_130849 , NP_570901
UniProt:	Q6P5W5
Pathways:	Transition Metal Ion Homeostasis , Autophagy

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 647 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice: Avoid repeated freeze-thaw cycles.

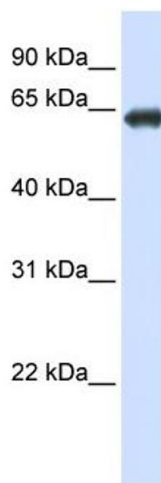
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Antala, Ovchinnikov, Kamisetty, Baker, Dempski: "Computation and Functional Studies Provide a Model for the Structure of the Zinc Transporter hZIP4." in: **The Journal of biological chemistry**, Vol. 290, Issue 29, pp. 17796-805, (2015) ([PubMed](#)).

Images



Western Blotting

Image 1. WB Suggested Anti-SLC39A4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Transfected 293T