

SLC39A4 polyclonal antibody

Catalog # PAB15986 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SLC39A4.
Immunogen	A synthetic peptide corresponding to N-terminus of human SLC39A4.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	ELISA (1:2000-1:5000) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

Gene Info — SLC39A4

Entrez GeneID [55630](#)

Gene Name SLC39A4

Gene Alias	AEZ, FLJ20327, MGC74741, ZIP4
Gene Description	solute carrier family 39 (zinc transporter), member 4
Omim ID	201100 607059
Gene Ontology	Hyperlink
Gene Summary	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 a crodermatitis enteropathica, a rare inherited defect in the absorption of dietary zinc. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	acrodermatitis enteropathica, zinc-deficiency type zinc transporter ZIP4

Publication Reference

- [Zn2+-stimulated endocytosis of the mZIP4 zinc transporter regulates its location at the plasma membrane.](#)

Kim BE, Wang F, Dufner-Beattie J, Andrews GK, Eide DJ, Petris MJ.

The Journal of Biological Chemistry 2004 Feb; 279(6):4523.

- [Novel SLC39A4 mutations in acrodermatitis enteropathica.](#)

Nakano A, Nakano H, Nomura K, Toyomaki Y, Hanada K.

The Journal of Investigative Dermatology 2003 Jun; 120(6):963.

- [A novel member of a zinc transporter family is defective in acrodermatitis enteropathica.](#)

Wang K, Zhou B, Kuo YM, Zemansky J, Gitschier J.

American Journal of Human Genetics 2002 Jul; 71(1):66.

Application: IF, IHC-Fr, Mouse , Mouse colon

Disease

- [Abortion](#)
- [Genetic Predisposition to Disease](#)