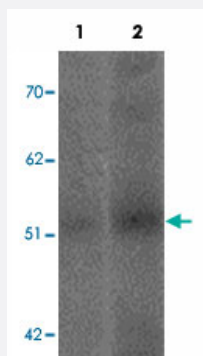


# SLC39A14 polyclonal antibody

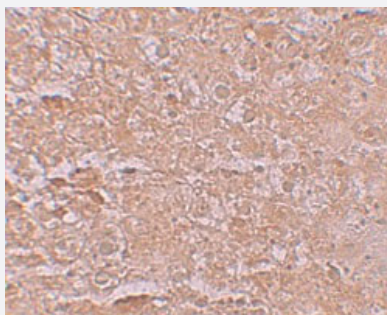
Catalog # PAB19383      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of SLC39A14 in human spleen tissue lysate with SLC39A14 polyclonal antibody (Cat # PAB19383) at (1) 1 and (2) 2 ug/mL.



### Immunohistochemistry

Immunohistochemical staining of mouse liver cells with SLC39A14 polyclonal antibody (Cat # PAB19383) at 2.5 ug/mL.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of SLC39A14.
<b>Immunogen</b>	A synthetic peptide corresponding to 16 amino acids near internal region of human SLC39A14.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Specificity</b>	At least three isoforms of SLC39A14 are known to exist; this antibody will detect both isoforms. This antibody is predicted to not cross-react with other ZIP family members.
<b>Form</b>	Liquid

<b>Purification</b>	Peptide affinity purification
<b>Concentration</b>	1 mg/mL
<b>Recommend Usage</b>	Western Blot (1-2 ug/mL) Immunohistochemistry (2.5 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.02% sodium azide)
<b>Storage Instruction</b>	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western blot analysis of SLC39A14 in human spleen tissue lysate with SLC39A14 polyclonal antibody (Cat # PAB19383) at (1) 1 and (2) 2 ug/mL.

- Immunohistochemistry

Immunohistochemical staining of mouse liver cells with SLC39A14 polyclonal antibody (Cat # PAB19383) at 2.5 ug/mL.

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — SLC39A14

<b>Entrez GeneID</b>	<a href="#">23516</a>
<b>Protein Accession#</b>	<a href="#">NP_001128625</a>
<b>Gene Name</b>	SLC39A14
<b>Gene Alias</b>	KIAA0062, LZT-Hs4, ZIP14, cig19
<b>Gene Description</b>	solute carrier family 39 (zinc transporter), member 14
<b>Omim ID</b>	<a href="#">608736</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A14 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).[supplied by OMIM]

**Other Designations**

LIV-1 subfamily of ZIP zinc transporter 4|Zinc transporter ZIP14|Zrt-, Irt-like protein 14|solute carrier family 39 (metal ion transporter), member 14

## Publication Reference

- [Involvement of metal transporters in the intestinal uptake of cadmium.](#)

Hisayoshi Ohta, Kenichi Ohba.

The Journal of Toxicological Sciences 2020 Jan; 45(9):539.

Application: IHC-P, Rat, Rat duodenum

## Disease

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