

Datasheet for ABIN783817
anti-SLC39A14 antibody (Center)[Go to Product page](#)

1 Image

Overview

Quantity:	0.1 mg
Target:	SLC39A14
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC39A14 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	16 amino acid peptide near the center of human ZIP14
Specificity:	This antibody detects Zinc transporter ZIP14 / SLC39A14 at Center.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	SLC39A14
Alternative Name:	Zinc Transporter ZIP14 / SLC39A14 (SLC39A14 Products)
Background:	The zinc transporter ZIP14, also known as SLC39A14, is a member of a family of divalent ion transporters. Zinc is an essential ion for cells and plays significant roles in the growth,

Target Details

development, and differentiation. The zinc transporter family is divided into four subfamilies (I, II, LIV-1 and gnfA). ZIP14 is a glycosylated multipass plasma membrane protein that belongs to the ZIP transporter subfamily LIV-1. ZIP14 has been shown to contribute to the hypozincemia of inflammation and infection and is regulated in the liver by IL-6. In addition to zinc, ZIP14 is also involved in the cellular uptake of non-transferrin-bound iron as well as iron bound to transferrin (6). Synonyms: KIAA0062, LIV-1 subfamily of ZIP zinc transporter 4, LZT-Hs4, Solute carrier family 39 member 14, ZIP-14, ZIP14, Zrt- and Irt-like protein 14

Gene ID: 23516

NCBI Accession: [NP_001121903](#)

UniProt: [Q15043](#)

Pathways: [Transition Metal Ion Homeostasis](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

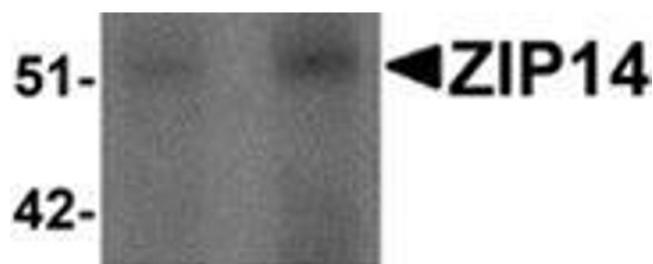
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to three months or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of ZIP14 in human spleen tissue lysate with ZIP14 antibody at (left) 1 and (right) 2 μ g/ml.