

**DATASHEET**

**ZIP14 Rabbit Polyclonal Antibody**

CAT. NO. APA13933

**KEY FEATURES**

Target	ZIP14	Source / Host	Rabbit
Reactivity	Human	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

**BACKGROUND**

Electroneutral transporter of the plasma membrane mediating the cellular uptake of the divalent metal cations zinc, manganese and iron that are important for tissue homeostasis, metabolism, development and immunity . Functions as an energy-dependent symporter, transporting through the membranes an electroneutral complex composed of a divalent metal cation and two bicarbonate anions . Beside these endogenous cellular substrates, can also import cadmium a non-essential metal which is cytotoxic and carcinogenic . Controls the cellular uptake by the intestinal epithelium of systemic zinc, which is in turn required to maintain tight junctions and the intestinal permeability .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

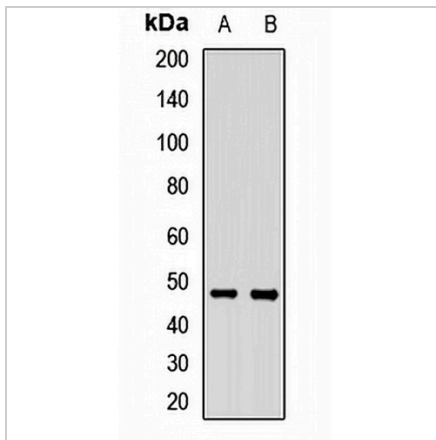
Description	Rabbit polyclonal antibody to ZIP14
Specificity	Recognizes endogenous levels of ZIP14 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ZIP14
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 54 kD; Observed: 48 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	KIAA0062; ZIP14; Zinc transporter ZIP14; LIV-1 subfamily of ZIP zinc transporter 4; LZT-Hs4; Solute carrier family 39 member 14; Zrt- and Irt-like protein 14; ZIP-14
Gene Symbol	SLC39A14
Entrez Gene	23516(Human)
SwissProt	Q15043(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of ZIP14 expression in LO2 (A), HeLa (B) whole cell lysates. (Predicted band size: 54 kD; Observed band size: 48 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.