

Datasheet for ABIN6991454  
**anti-SLC39A5 antibody (AA 330-380)**



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## Overview

Quantity:	0.1 mg
Target:	SLC39A5
Binding Specificity:	AA 330-380
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLC39A5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

## Product Details

Immunogen:	ZIP5 antibody was raised against a 17 amino acid synthetic peptide near the center of human ZIP5. The immunogen is located within amino acids 330 - 380 of ZIP5.
Isotype:	IgG
Purification:	ZIP5 Antibody is affinity chromatography purified via peptide column.

## Target Details

Target:	SLC39A5
Alternative Name:	ZIP5 ( <a href="#">SLC39A5 Products</a> )
Background:	ZIP5 Antibody: The zinc transporter ZIP5, also known as SLC39A5, is a member of a family of divalent ion transporters. Zinc is an essential ion for cells and plays significant roles in the

## Target Details

growth, development, and differentiation. ZIP5 is closely related to ZIP4, and is found in many of the same tissues, including intestine, pancreas, liver, and kidney, but unlike ZIP4, ZIP5 localizes to the basolateral membrane in kidney cells and its activity is not downregulated by zinc repletion. Recent evidence suggests that ZIP4 and ZIP5 are reciprocally regulated, with translation of ZIP5 mRNA decreasing and ZIP5 protein being rapidly internalized and degraded in response to zinc deficiency.

Gene ID:	283375
NCBI Accession:	<a href="#">NP_001128667</a>
UniProt:	<a href="#">Q6ZMH5</a>
Pathways:	<a href="#">Transition Metal Ion Homeostasis</a>

## Application Details

Application Notes:	ZIP5 antibody can be used for detection of ZIP5 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.  Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	ZIP5 Antibody is supplied in 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.
Storage:	-20 °C, 4 °C
Storage Comment:	ZIP5 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.