

# Anti-ZIP-5 antibody ab105194

3 Images

### Overview

<b>Product name</b>	Anti-ZIP-5 antibody
<b>Description</b>	Rabbit polyclonal to ZIP-5
<b>Host species</b>	Rabbit
<b>Specificity</b>	ab105194 is predicted not to cross-react with other ZIP family members.
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human ZIP-5 (internal sequence). Database link: <a href="#"><b>NP_001128667</b></a>
<b>Positive control</b>	Human spleen tissue lysate
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab105194 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 20 µg/ml.
WB		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 56 kDa.
IHC-P		Use at an assay dependent concentration.

## Target

### Function

May play a role in polarized cells by carrying out serosal-to-mucosal zinc transport. Plays a role in eye development. Could regulate the BMP/TGF-beta (bone morphogenetic protein/transforming growth factor-beta) signaling pathway and modulates extracellular matrix (ECM) proteins of the sclera (PubMed:24891338). Seems to play a central role in controlling organismal zinc status.

### Tissue specificity

Expressed in liver, kidney, pancreas, small intestine, colon, spleen, fetal liver and fetal kidney.

### Involvement in disease

Myopia 24, autosomal dominant

### Sequence similarities

Belongs to the ZIP transporter (TC 2.A.5) family.

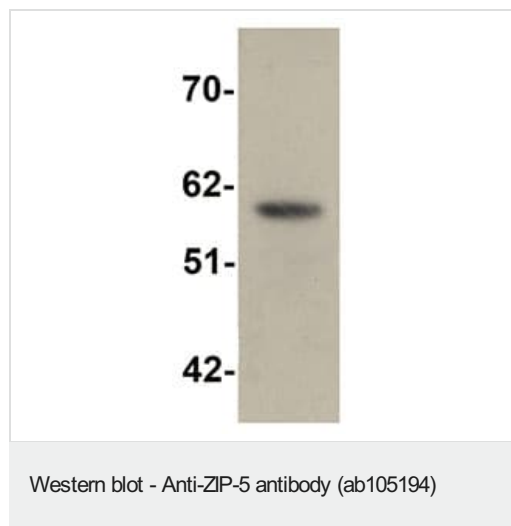
### Post-translational modifications

Glycosylated.

### Cellular localization

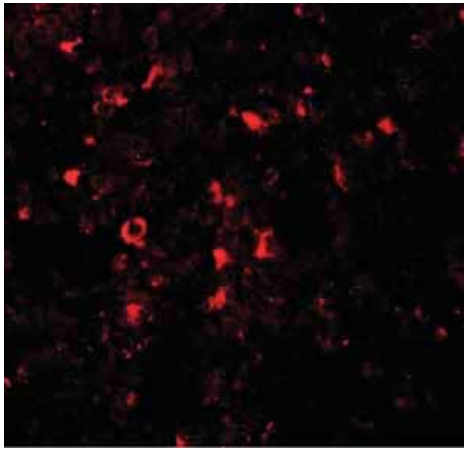
Basolateral cell membrane.

## Images



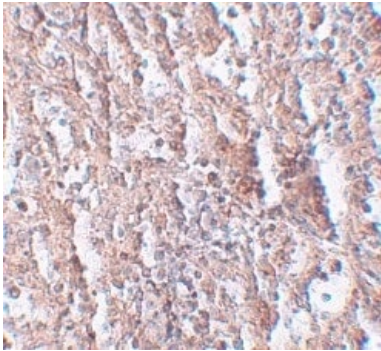
Anti-ZIP-5 antibody (ab105194) at 1 µg/ml + Human spleen tissue lysate at 15 µg

**Predicted band size:** 56 kDa



Immunofluorescence of ZIP-5 in Human spleen tissue with ab105194 at 20 ug/mL.

Immunocytochemistry/ Immunofluorescence - Anti-ZIP-5 antibody (ab105194)



Immunohistochemistry of ZIP-5 in Human spleen tissue with ab105194 at 2.5 µg/mL.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ZIP-5 antibody (ab105194)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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