Datasheet for 600-401-GF3

# ZIP8 Antibody

## Overview

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| **Description:** | Anti-ZIP8 (RABBIT) Antibody - 600-401-GF3 |
| **Item No.:** | 600-401-GF3 |
| **Size:** | 100 µg |
| **Applications:** | ELISA, IF, IHC, WB |
| **Reactivity:** | Human |
| **Host Species:** | Rabbit |

## Product Details

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| **Background:** | The zinc transporter ZIP8, also known as SLC39A8, is a member of a family of divalent ion transporters. Zinc is an essential ion for cells and plays significant roles in the growth, development, and differentiation. The zinc transporter family is divided into four subfamilies (I, II, LIV-1 and gufA). ZIP8 is glycosylated and located at the plasma membrane and mitochondria. It has been identified as the transporter responsible for transport of the toxic Cadmium cation. ZIP8 has also been suggested to play a role in the regulation of interferon-gamma expression in activated human T cells. |
| **Synonyms:** | ZIP8 Antibody, ZIP8, PP3105, BIGM103, LZT-Hs6, ZIP8, Zinc transporter ZIP8, BCG-induced integral membrane protein in monocyte clone 103 protein |
| **Host Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Gene Name:** | SLC39A8 |
| **Reactivity:** | Human |
| **Immunogen Type:** | Conjugated Peptide |
| **Immunogen:** | Anti-ZIP8 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 18 amino acid synthetic peptide near the C-terminus of human ZIP8. |

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| **Purity/Specificity:** | Anti-ZIP8 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. ZIP8 antibody is predicted to not cross-react with other ZIP family members. |
| **Relevant Links:** | • UniProtKB - Q9C0K1<br>• GeneID - 64116<br>• NCBI - NP_001128618.1 |

## Application Details

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| **Tested Applications:** | ELISA, IF, IHC, WB |
| **Application Note:** | Anti-ZIP8 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 50 kDa in Western Blots of specific cell lysates and tissues. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | 1:10,000 - 1:20,000 |
| **IF:** | 20 µg/mL |
| **IHC:** | 5 µg/mL |
| **WB:** | 1-2 µg/mL |

## Formulation

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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 1.0 mg/ml by UV absorbance at 280 nm |
| **Buffer:** | 0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2 |
| **Preservative:** | 0.02% (w/v) Sodium Azide |
| **Stabilizer:** | None |

## Shipping & Handling

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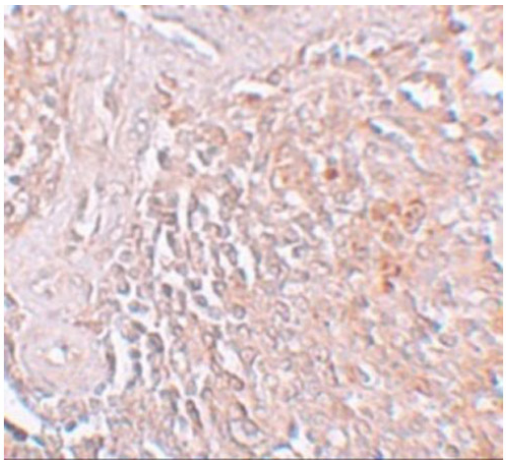
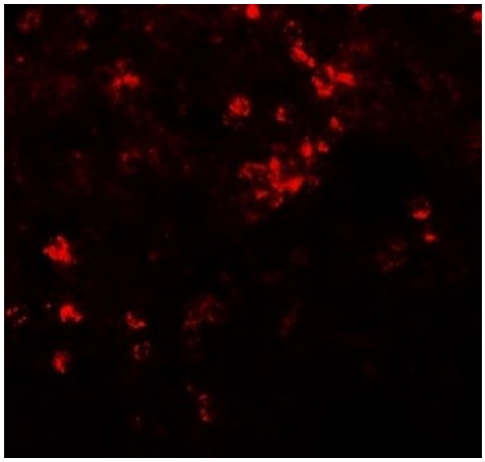
| **Shipping Condition:** | Dry Ice |
| **Storage Condition:** | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |

**Expiration:** Expiration date is one (1) year from date of receipt.

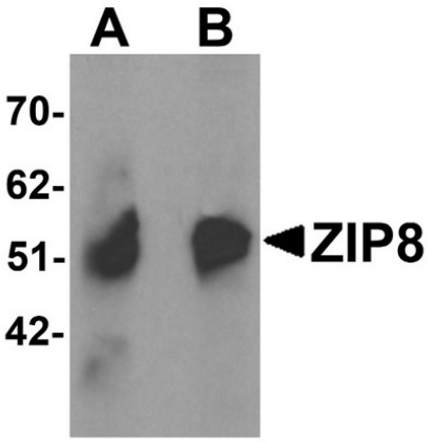
## Images



**Immunohistochemistry**
Immunohistochemistry of ZIP8.
Tissue: human spleen tissue.
Primary Antibody: Anti-ZIP8 antibody at 5 µg/mL.



**Immunofluorescence Microscopy**
Immunofluorescence of ZIP8.
Tissue: human spleen tissue.
Primary Antibody: Anti-ZIP8 antibody at 20 µg/mL.




**Western Blot**
Western blot analysis of ZIP8.
Load: human spleen tissue lysate.
Primary Antibody: Anti-ZIP8 antibody at (A) 1 µg/mL and (B) 2 µg/mL.

## Disclaimer