

## ZIP11 Antibody

*ZIP11: Solute carrier family 39 member a11, Slc39a11*

**CATALOG No.: 5001**

### BACKGROUND:

ZIP11, also known as Slc39A11, is a member of the broader ZIP family of multi-transmembrane domain metal ion transporters (reviewed in 1). Zinc is an essential ion for cells and plays significant roles in the growth, development, and differentiation (reviewed in 2). Members of the ZIP family generally transport metal ions from the cell exterior or lumen of intracellular organelles into the cytoplasm, as opposed to the ZnT (SLC30) family of zinc transporters that serve to reduce intracellular zinc availability by promoting zinc efflux from cells or into intracellular vesicles (3). At least three isoforms of ZIP11 are known to exist. This antibody will not cross-react with the zinc transporter ZIP10.

### SOURCE:

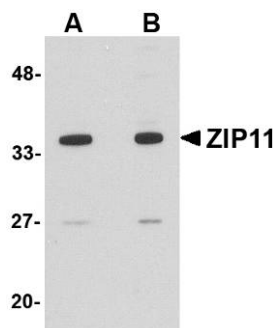
Rabbit polyclonal ZIP11 antibody was raised against a 15 amino acid peptide near the center of the human ZIP11 (GenBank accession no. EAW89107).

### APPLICATION:

ZIP11 antibody can be used for detection of ZIP11 by Western blot at 1 – 2 µg/ml. (Optimal dilution should be determined by user.) Mouse kidney tissue cell lysate can be used as positive control. ZIP11 antibody is human, mouse and rat reactive. **For research use only.**

### STORAGE:

ZIP11 antibody is supplied as immunoaffinity purified IgG in PBS containing 0.02% sodium azide. Store at 4°C, stable for one year.



Western blot analysis of ZIP11 in mouse kidney tissue lysate with ZIP11 antibody at (A) 1 and (B) 2 µg/ml.

### RELATED PRODUCTS:

Blocking Peptide, Catalog No. **5001P**.  
Mouse Kidney Tissue Lysate, Catalog No. **1405**.  
ZIP10 Antibody, Catalog No. **4991**.  
Slc22A17 Antibody, Catalog No. **4651**.  
Slc12A2 Antibody, Catalog No. **XW-8138**.  
Slc26A3 Antibody, Catalog No. **XW-8140**.

### REFERENCES:

- Eide DJ. The SLC39 family of metal ion transporters. *Pflugers Arch.* 2004; 447:796-800.
- Taylor KM and Nicholson RI. The LZT proteins; the LIV-1 subfamily of zinc transporters. *Biochim. Biophys. Acta.* 2003; 1611:16-30.
- Liuzzi JP and Cousins RJ. Mammalian zinc transporters. *Annu. Rev. Nutr.* 2004; 24:151-72. (09-01D)