

ZIP6 Antibody
Catalog # **ASC11247**

Specification

ZIP6 Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	Q13433
Other Accession	NP_001092876 , 153252214
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	ZIP6 antibody can be used for detection of ZIP6 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

ZIP6 Antibody - Additional Information

Gene ID **25800**
Target/Specificity
SLC39A6;

Reconstitution & Storage

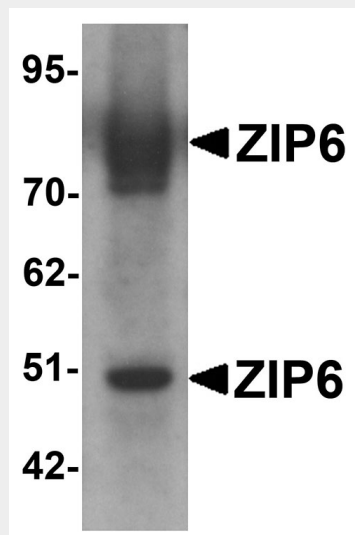
ZIP6 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

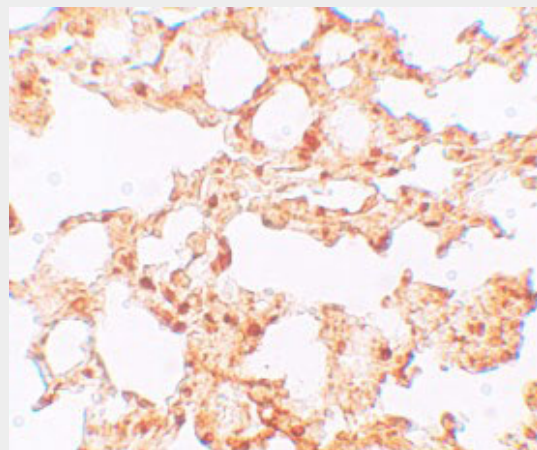
ZIP6 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ZIP6 Antibody - Protein Information

Name **SLC39A6**



Western blot analysis of ZIP6 in mouse lung tissue lysate with ZIP6 antibody at 1 µg/mL.



Immunohistochemistry of ZIP6 in mouse lung tissue with ZIP6 antibody at 5 µg/mL.

Synonyms LIV1, ZIP6

Function

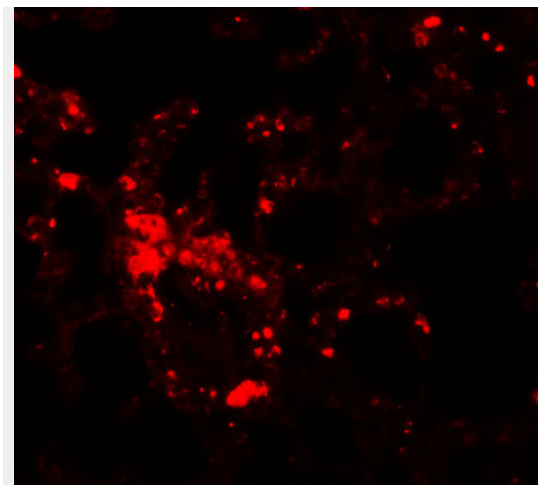
May act as a zinc-influx transporter.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Highly expressed in the breast, prostate, placenta, kidney, pituitary and corpus callosum. Weakly expressed in heart and intestine. Also highly expressed in cells derived from an adenocarcinoma of the cervix and lung carcinoma



Immunofluorescence of ZIP6 in mouse lung tissue with ZIP6 antibody at 20 µg/mL.

ZIP6 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ZIP6 Antibody - Background

ZIP6 Antibody: The zinc transporter ZIP6, also known as SLC39A6, 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. ZIP6 was initially identified as LIV-1, an estrogen-regulated gene that has been implicated in metastatic breast cancer. Elevated ZIP6 expression has also been reported in human cervical cancer and the HeLa cell line; down-regulation of ZIP6 expression in HeLa by RNAi inhibited cell proliferation, colony formation, migration and invasiveness, as well as decreasing Snail and Slug levels, suggesting ZIP6 plays a regulatory role on the ERK1/2-Snail/Slug pathway.

ZIP6 Antibody - References

Dufner-Beattie J, Langmade SJ, Wang F, et al. Structure, function, and regulation of a subfamily of mouse zinc transporter genes. *J. Biol. Chem.*2003; 278:50142-50.
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.
Taylor KM. LIV-1 breast cancer protein belongs to new family of histidine-rich membrane proteins with potential to control intracellular Zn²⁺ homeostasis. *IUBMB Life*2000; 49:249-53.