

SLC39A10 / ZIP10 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS14010**Specification**

SLC39A10 / ZIP10 Antibody (Internal) - Product Information

Application	WB, IHC-P, IF, E
Primary Accession	O9ULF5
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	94kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A

SLC39A10 / ZIP10 Antibody (Internal) - Additional Information**Gene ID** 57181**Other Names**

Zinc transporter ZIP10, Solute carrier family 39 member 10, Zrt- and Irt-like protein 10, ZIP-10, SLC39A10, KIAA1265, ZIP10

Target/Specificity

Human SLC39A10

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

SLC39A10 / ZIP10 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC39A10 / ZIP10 Antibody (Internal) - Protein Information**Name** SLC39A10 ([HGNC:20861](#))**Synonyms** KIAA1265, ZIP10**Function**

Zinc-influx transporter (PubMed:17359283, PubMed:27274087, PubMed:30520657). When associated with SLC39A6, the heterodimer formed by SLC39A10 and SLC39A6 mediates cellular zinc uptake to trigger cells to undergo epithelial-to-mesenchymal transition (EMT) (PubMed:30520657).

href="http://www.uniprot.org/citations/23186163" target="_blank">23186163). SLC39A10-SLC39A6 heterodimers play also an essential role in initiating mitosis by importing zinc into cells to initiate a pathway resulting in the onset of mitosis (PubMed:32797246). Plays an important for both mature B-cell maintenance and humoral immune responses (By similarity). When associated with SLC39A10, the heterodimer controls NCAM1 phosphorylation and integration into focal adhesion complexes during EMT (By similarity).

Cellular Location

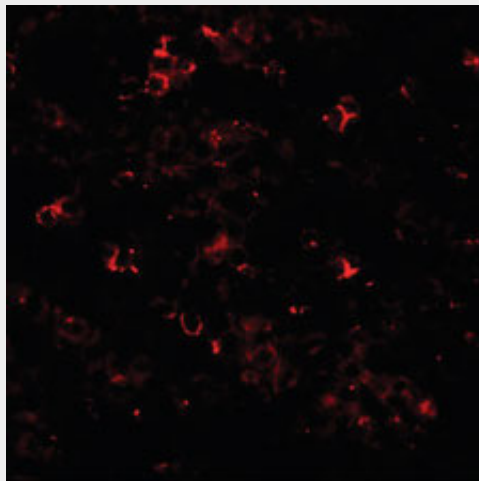
Cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein. Note=Expressed at the apical membranes of proximal tubules in the kidney.

SLC39A10 / ZIP10 Antibody (Internal) - Protocols

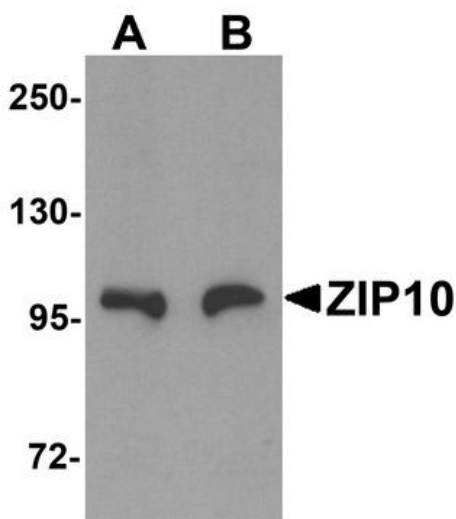
Provided below are standard protocols that you may find useful for product applications.

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

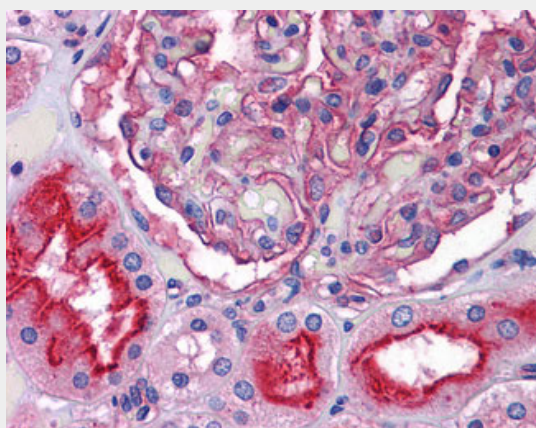
SLC39A10 / ZIP10 Antibody (Internal) - Images



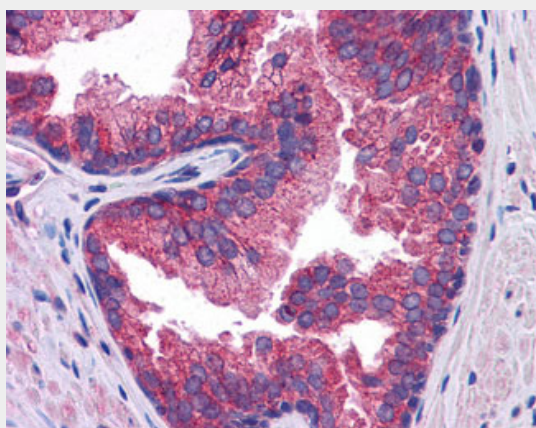
Immunofluorescence of ZIP10 in human spleen tissue with ZIP10 antibody at 20 ug/ml.



Western blot analysis of ZIP10 in human spleen tissue lysate with ZIP10 antibody at (A) 1 and...



Anti-SLC39A10 antibody IHC of human kidney.



Anti-SLC39A10 antibody IHC of human prostate.

SLC39A10 / ZIP10 Antibody (Internal) - Background

May act as a zinc-influx transporter.

SLC39A10 / ZIP10 Antibody (Internal) - References

Nagase T., et al. DNA Res. 6:337-345(1999).

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.