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SLC39A3 / ZIP3 Antibody (Internal)

Rabbit Polyclonal Antibody
Catalog # ALS14008

Specification

SLC39A3 / ZIP3 Antibody (Internal) - Product Information

Application	**WB, IHC**
Primary Accession	Q9BRY0
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**34kDa KDa**

SLC39A3 / ZIP3 Antibody (Internal) - Additional Information

Gene ID 29985

Other Names
Zinc transporter ZIP3, Solute carrier family 39 member 3, Zrt- and Irt-like protein 3, ZIP-3, SLC39A3, ZIP3

Target/Specificity
Human SLC39A3

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

Precautions
SLC39A3 / ZIP3 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC39A3 / ZIP3 Antibody (Internal) - Protein Information

Name SLC39A3 (HGNC:17128)

Synonyms ZIP3

Function
Transporter for the divalent cation Zn(2+). Mediates the influx of Zn(2+) into cells from extracellular space. Controls Zn(2+) accumulation into dentate gyrus granule cells in the hippocampus. Mediates Zn(2+) reuptake from the secreted milk within the alveolar lumen.

Cellular Location
Cell membrane {ECO:0000250|UniProtKB:Q99K24}; Multi-pass membrane protein. Apical cell membrane {ECO:0000250|UniProtKB:Q99K24}; Multi-pass membrane protein. Note=Localized primarily at the cell surface but also found in a perinuclear compartment in HC11 cells. In mammary epithelial cell, localized primary to the apical membrane {ECO:0000250|UniProtKB:Q99K24}

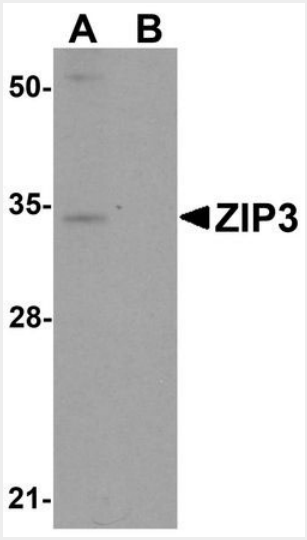
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SLC39A3 / ZIP3 Antibody (Internal) - Protocols

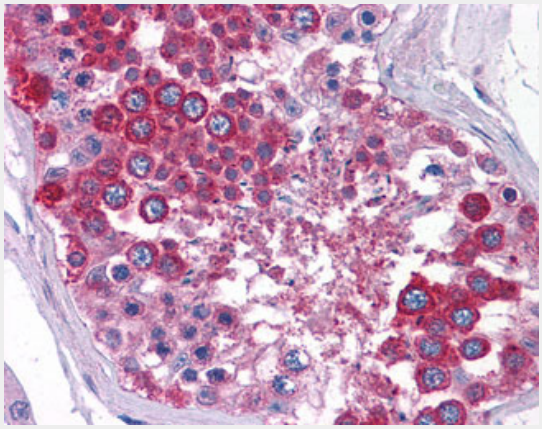
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

SLC39A3 / ZIP3 Antibody (Internal) - Images



Western blot analysis of ZIP3 in mouse lung tissue lysate with ZIP3 antibody at 1 ug/ml in (A)...



Anti-SLC39A3 antibody IHC of human testis.

SLC39A3 / ZIP3 Antibody (Internal) - Background

Acts as a zinc-influx transporter.

SLC39A3 / ZIP3 Antibody (Internal) - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).
Daub H.,et al.Mol. Cell 31:438-448(2008).
Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Mayya V.,et al.Sci. Signal. 2:RA46-RA46(2009).
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