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SLC39A1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50852

Specification

SLC39A1 Antibody - Product Information

Application	**WB**
Primary Accession	Q9NY26
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**34 KDa**
Antigen Region	**128-153**

SLC39A1 Antibody - Additional Information

Gene ID 27173

Other Names
Zinc transporter ZIP1, Solute carrier family 39 member 1, Zinc-iron-regulated transporter-like, Zrt- and Irt-like protein 1, ZIP-1, hZIP1, SLC39A1, IRT1, ZIP1, ZIRTL

Dilution
WB~~ 1:1000

Format
Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.

Storage Conditions
-20℃

SLC39A1 Antibody - Protein Information

Name SLC39A1 (HGNC:12876)

Function
Transporter for the divalent cation Zn(2+). Mediates the influx of Zn(2+) into cells from extracellular space (PubMed:11301334, PubMed:12888280, PubMed:16844077). Functions as the major importer of zinc from circulating blood plasma into prostate cells (PubMed:12888280).

Cellular Location
Cell membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Note=Shows a vesicular localization corresponding partially to the

endoplasmic reticulum in several epithelial cell lines.

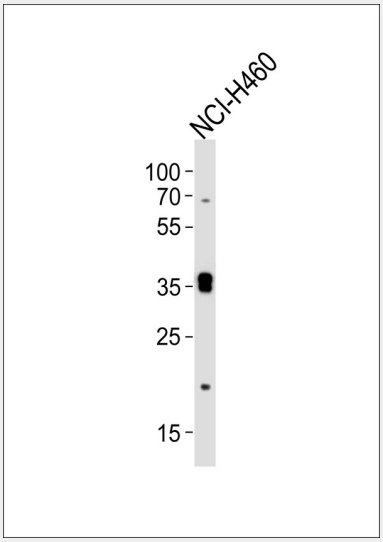
Tissue Location
Ubiquitous (PubMed:10610721, PubMed:11301334). Expressed in most adult and fetal tissues including the epidermis

SLC39A1 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 Cytomety
- Cell Culture

SLC39A1 Antibody - Images



Western blot analysis of lysate from NCI-H460 cell line,using SLC39A1 Antibody, was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.

SLC39A1 Antibody - Background

Mediates zinc uptake. May function as a major endogenous zinc uptake transporter in many cells of the body. Responsible for the rapid uptake and accumulation of physiologically effective zinc in prostate cells.

SLC39A1 Antibody - References

Lioumi M.,et al.Genomics 62:272-280(1999).
Milon B.,et al.FEBS Lett. 507:241-246(2001).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).

Otsuki T.,et al.DNA Res. 12:117-126(2005).