

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°C

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:<[a href="http://www.uniprot.org/citations/11301334"](http://www.uniprot.org/citations/11301334)target="_blank">11301334, PubMed:<[a href="http://www.uniprot.org/citations/12888280"](http://www.uniprot.org/citations/12888280)target="_blank">12888280, PubMed:<[a href="http://www.uniprot.org/citations/16844077"](http://www.uniprot.org/citations/16844077)target="_blank">16844077). Functions as the major importer of zinc from circulating blood plasma into prostate cells (PubMed:<[a href="http://www.uniprot.org/citations/12888280"](http://www.uniprot.org/citations/12888280)target="_blank">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

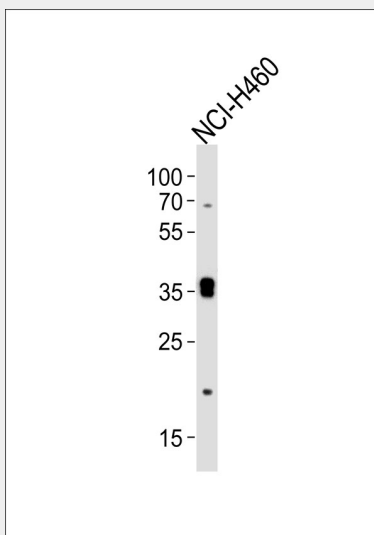
Ubiquitous (PubMed:10610721, PubMed:11301334). Expressed in most adult and fetal tissues including the epidermis

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 Cytometry](#)
- [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).
Lai C.-H., et al. Genome Res. 10:703-713(2000).
Ota T., et al. Nat. Genet. 36:40-45(2004).

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