

SLC12A4 / KCC1 Antibody (Internal)
Goat Polyclonal Antibody
Catalog # ALS12235**Specification**

SLC12A4 / KCC1 Antibody (Internal) - Product Information

Application	WB
Primary Accession	Q9UP95
Reactivity	Human, Mouse, Rat, Hamster, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	121kDa KDa

SLC12A4 / KCC1 Antibody (Internal) - Additional Information**Gene ID** 6560**Other Names**

Solute carrier family 12 member 4, Electroneutral potassium-chloride cotransporter 1, Erythroid K-Cl cotransporter 1, hKCC1, SLC12A4, KCC1

Target/Specificity

Human SLC12A4.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

SLC12A4 / KCC1 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

SLC12A4 / KCC1 Antibody (Internal) - Protein Information**Name** SLC12A4 ([HGNC:10913](#))**Function**

Mediates electroneutral potassium-chloride cotransport when activated by cell swelling. May contribute to cell volume homeostasis in single cells (PubMed:[10913127](http://www.uniprot.org/citations/10913127), PubMed:[34031912](http://www.uniprot.org/citations/34031912)). May be involved in the regulation of basolateral Cl(-) exit in NaCl absorbing epithelia (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Ubiquitous (PubMed:8663127, PubMed:9516379). Levels are much higher in erythrocytes from patients with Hb SC and Hb SS compared to normal AA erythrocytes (PubMed:9516379). This may

contribute to red blood cell dehydration and to the manifestation of sickle cell disease by increasing the intracellular concentration of HbS (PubMed:9516379).

SLC12A4 / KCC1 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](#)

SLC12A4 / KCC1 Antibody (Internal) - Images



Antibody (0.3 ug/ml) staining of Human Heart lysate (35 ug protein in RIPA buffer).

SLC12A4 / KCC1 Antibody (Internal) - Background

Mediates electroneutral potassium-chloride cotransport when activated by cell swelling. May contribute to cell volume homeostasis in single cells. May be involved in the regulation of basolateral Cl(-) exit in NaCl absorbing epithelia (By similarity). Isoform 4 has no transport activity.

SLC12A4 / KCC1 Antibody (Internal) - References

Gillen C.M.,et al.J. Biol. Chem. 271:16237-16244(1996).
Pellegrino C.M.,et al.Blood Cells Mol. Dis. 24:31-40(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Martin J.,et al.Nature 432:988-994(2004).
Golding S.,et al.Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases.