10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KCC4 / SLC12A7 Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2635a

Specification

KCC4 / SLC12A7 Antibody (internal region) - Product Information

Application	**E**
Primary Accession	Q9Y666
Other Accession	NP_006589.2, 10723, 20499 (mouse)
Predicted	**Human, Mouse**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**119106**

KCC4 / SLC12A7 Antibody (internal region) - Additional Information

Gene ID 10723

Other Names
Solute carrier family 12 member 7, Electroneutral potassium-chloride cotransporter 4, K-Cl cotransporter 4, SLC12A7, KCC4

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KCC4 / SLC12A7 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

KCC4 / SLC12A7 Antibody (internal region) - Protein Information

Name SLC12A7 (HGNC:10915)

Function
Mediates electroneutral potassium-chloride cotransport when activated by cell swelling (PubMed:10913127). May mediate K(+) uptake into Deiters' cells in the cochlea and contribute to K(+) recycling in the inner ear. Important for the survival of cochlear outer and inner hair cells and the maintenance of the organ of Corti. May be required for basolateral Cl(-) extrusion in the kidney and contribute to renal acidification (By similarity).

Cellular Location
Cell membrane; Multi-pass membrane protein

Tissue Location
Detected in muscle, brain, lung, heart and kidney.

KCC4 / SLC12A7 Antibody (internal region) - 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

KCC4 / SLC12A7 Antibody (internal region) - Images

KCC4 / SLC12A7 Antibody (internal region) - References

Homooligomeric and heterooligomeric associations between K+-Cl- cotransporter isoforms and between K+-Cl- and Na+-K+-Cl- cotransporters. Simard CF, Bergeron MJ, Frenette-Cotton R, Carpentier GA, Pelchat ME, Caron L, Isenring P. J Biol Chem. 2007 Jun 22;282(25):18083-93. Epub 2007 Apr 26. PMID: 17462999