

KCC4 / SLC12A7 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF2635a**Specification**

KCC4 / SLC12A7 Antibody (internal region) - Product Information

Application	E
Primary Accession	O9Y666
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 Cytometry](#)
- [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