

## Goat anti-KCC3 / SLC12A6 Antibody

Item Number	dAP-1211
Target Molecule	Principle Name: KCC3 / SLC12A6; Official Symbol: SLC12A6; All Names and Symbols: SLC12A6; KCC3; solute carrier family 12 (potassium/chloride transporters), member 6 ; ACCPN; DKFZP434D2135; KCC3A; KCC3B; agenesis of corpus callosum and peripheral neuropathy (Andermann syndrome); potassium chloride cotransporter 3; potassium chloride c; Accession Number (s): NP_001035959.1; NP_001035960.1; NP_001035961.1; NP_001035962.1; NP_005126.1; NP_598408.1; Human Gene ID(s): 9990; Non-Human
Immunogen	SRHIDVCSKTKE, is from internal region This antibody is expected to recognise all reported isoforms (NP_598408.1; NP_005126.1; NP_001035959.1; NP_001035961.1; NP_001035962.1); Reported variants represent identical protein:
Applications	Pep ELISA, WB, IHC  Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 16000.
Western Blot	Western Blot: Approx 120kDa band observed in Human Heart and Kidney lysates (calculated MW ranging 121-128kDa according to NP_598408.1; NP_005126.1; NP_001035959.1; NP_001035960.1; NP_001035961.1; NP_001035962.1). Recommended concentration: 0.1-0.3µg/ml
IHC	Immunohistochemistry: In paraffin embedded Human Heart shows staining of myocardial fibrils in transverse section. Recommended concentration, 2-4µg/ml.
Reference	Reference(s): Simard CF, Bergeron MJ, Frenette-Cotton R, Carpentier GA, Pelchat ME, Caron L, Isenring P. Homooligomeric and heterooligomeric associations between K+-Cl- cotransporter isoforms and between K+-Cl- and Na+-K+-Cl- cotransporters. <i>J Biol Chem.</i> 2007 Jun 22;282(25):18083-93. Epub 2007 Apr

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**