



## Goat anti-KCC1 / SLC12A4 Antibody

<b>Item Number</b>	dAP-1212
<b>Target Molecule</b>	Principle Name: KCC1 / SLC12A4; Official Symbol: SLC12A4 ; All Names and Symbols: SLC12A4; KCC1; solute carrier family 12 (potassium/chloride transporters), member 4; FLJ40489; potassium transport protein; potassium/chloride cotransporter 1; Accession Number (s): NP_005063.1; Human Gene ID(s): 6560; Non-Human GeneID(s): 20498 (mouse) 29501 (rat)
<b>Immunogen</b>	DPSHAPDNFRE, is from internal region
<b>Applications</b>	Pep ELISA, WB, IHC Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 4000.
<b>Western Blot</b>	Western Blot: Approx 150kDa band observed in Human Heart lysates (calculated MW of 121kDa according to NP_005063.1). Recommended concentration: 0.3-1µg/ml.
<b>IHC</b>	Immunohistochemistry: Paraffin embedded Human Placenta. Recommended concentration: 5µg/ml.
<b>Reference</b>	Reference(s): Simard CF, Bergeron MJ, Frenette-Cotton R, Carpentier GA, Pelchat ME, Caron L, Isenring P. Homooligomeric and heterooligomeric associations between K <sup>+</sup> -Cl <sup>-</sup> cotransporter isoforms and between K <sup>+</sup> -Cl <sup>-</sup> and Na <sup>+</sup> -K <sup>+</sup> -Cl <sup>-</sup> cotransporters. J Biol Chem. 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 ender users! This product is sold for **Research Use Only**