

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre 77 Heyford Park Upper Heyford Oxfordshire OX25 5HD UK

Enquiries: info@everestbiotech.com

Sales: sales@everestbiotech.com Tech support: support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

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EB08088 - Goat Anti-KCC1 / SLC12A4 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SLC12A4, KCC1, solute carrier family 12 (potassium/chloride transporters), member 4, FLJ40489, potassium transport protein, potassium/chloride cotransporter 1 Official Symbol: SLC12A4 Accession Number(s): NP_005063.1 Human GenelD(s): <u>6560</u> Non-Human GenelD(s): 20498 (mouse), 29501 (rat)

Immunogen

Peptide with sequence C-DPSHAPDNFRE, from the internal region of the protein sequence according to NP_005063.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:4000. **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. **IHC:** Paraffin embedded Human Placenta. Recommended concentration: 5μg/ml.

Species Reactivity

Tested: Human Expected from sequence similarity: Human, Mouse, Rat, Dog

Specific Reference

This antibody has been successfully used in Western blot in Human:

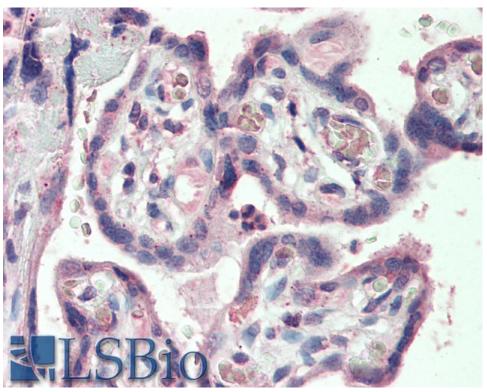
Wei WC, Akerman CJ, Newey SE, Pan J, Clinch NW, Jacob Y, Shen MR, Wilkins RJ, Ellory JC.

The potassium-chloride cotransporter 2 promotes cervical cancer cell migration and invasion by an ion transport-independent mechanism.

J Physiol. 2011 Nov 15;589(Pt 22):5349-59. PMID: 21911617

250kDa 150kDa 100kDa
75kDa 50kDa 37kDa
25kDa 20kDa
15kDa

EB08088 (0.3µg/ml) staining of Human Heart lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB08088 (5µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.