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**Research Use Only. Not for
diagnostic or therapeutic use.**

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 GeneID(s): [6560](#)

Non-Human GeneID(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: 0.3-1 µg/ml.

IHC: Paraffin embedded Human Placenta. Recommended concentration: 5 µg/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

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.