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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 GeneID(s): 6560

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.

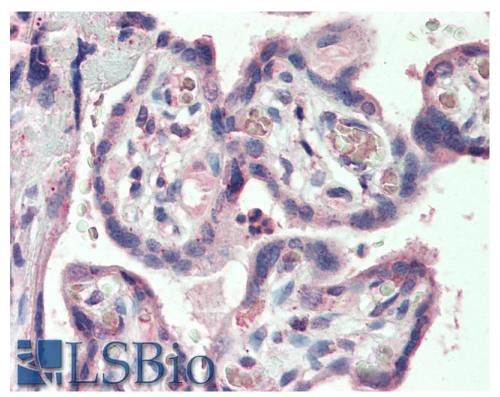
The potassium-chloride cotransporter 2 promotes cervical cancer cell migration and invasion by an ion transport-independent mechanism.

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

PMID: 21911617



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



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