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EB09143 - Goat Anti-SLC12A1 / NKCC Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SLC12A1, solute carrier family 12 (sodium/potassium/chloride transporters), member 1, BSC1, MGC48843, NKCC2, NKCC2A variant A, Na-K-2Cl cotransporter, sodium potassium chloride cotransporter 2 Official Symbol: SLC12A1 Accession Number(s): NP_000329.2 Human GeneID(s): <u>6557</u>

Immunogen

Peptide with sequence C-PHYEETSFGDEAQKR, from the internal region of the protein sequence according to NP_000329.2.

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 1:32000.

Western blot: This anitbody has been successfully used in WB on Mouse: Alshahrani S et al. (2015) PMID: 26400961.

IHC: In paraffin embedded Human Kidney shows strong membrane staining in some CT cells. Recommended concentration, 3-6µg/ml.

IF/ICC: This antibody has been successfully used in IF on Mouse: Alshahrani S et al. (2015) PMID: 26400961. This antibody has been successfully used in ICC on Pig: Andreas Brännström et al. (2022) PMID: 36471055.

Species Reactivity

Tested: Human, Mouse, Pig Expected from sequence similarity: Human

Specific References

This antibody has been successfully used in ICC on Pig:

Andreas Brännström, Michael Hultström, Jenny Gustavsson, Zabih Aurfan & Mattias Günther

Intermittent thoracic resuscitative endovascular balloon occlusion of the aorta improves renal function compared to 60 min continuous application after porcine class III hemorrhage.

Eur J Trauma Emerg Surg (2022). https://doi.org/10.1007/s00068-022-02189-2 PMID: 36471055

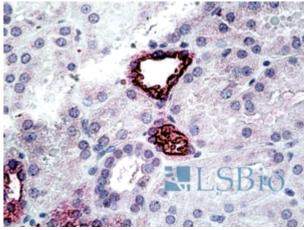
This antibody has been successfully used in WB and IF in Mouse:

Alshahrani S, Almutairi MM, Kursan S, Dias-Junior E, Almiahuob MM, Aguilar-Bryan L, Di Fulvio M.

Increased SIc12a1 expression in β -cells

and improved glucose disposal in Slc12a2 heterozygous mice.

J Endocrinol. 2015 Dec;227(3):153-65. PMID: 26400961



EB09143 (3.8ug/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.