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

EB09783 - Goat Anti-SLC12A2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: basolateral Na-K-Cl symporter, BSC, BSC2, bumetanide-sensitive sodium-(potassium)-chloride cotransporter 1, MGC104233, NKCC1, solute carrier family 12 (sodium/potassium/chloride transporters), member 2, SLC12A2

Official Symbol: SLC12A2

Accession Number(s): NP_001037.1

Human GeneID(s): [6558](#)

Non-Human GeneID(s): 20496 (mouse), 83629 (rat)

Immunogen

Peptide with sequence C-NALQHSIRLSGVEDH, from the internal region of the protein sequence according to NP_001037.1.

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 1:64000.

Western blot: Preliminary experiments gave an approx 75kDa band in Human, Mouse and Rat Skeletal Muscle, Heart and Brain lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 131kDa according to NP_001037.1. The 75kDa band was successfully blocked by incubation with the immunizing peptide.

IHC: In paraffin embedded Human Colon shows membranous staining. Recommended concentration: 3.75µg/ml.

Species Reactivity

Tested: Human

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

EB09783 (3.75µg/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.