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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; NP_001243390.1 Human GenelD(s): 6558 Non-Human GenelD(s): 20496 (mouse), 83629 (rat)

Immunogen

Peptide with sequence C-NALQHSIRLSGVEDH, from the internal region of the protein sequence according to NP_001037.1; NP_001243390.1.

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

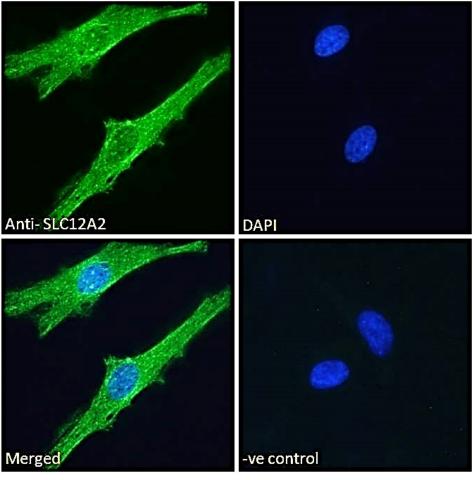
Peptide ELISA: antibody detection limit dilution 1:64000. **IHC:** In paraffin embedded Human Colon shows membranous staining. Recommended concentration: 3.75µg/ml.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm/ vesicles of HeLa cells. Recommended concentration: 10µg/ml.

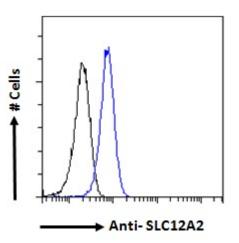
Flow Cytometry: Flow cytometric analysis of HeLa cells. Recommended concentration: 10ug/ml.

Species Reactivity

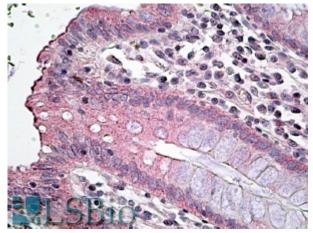
Tested: Human Expected from sequence similarity: Human, Mouse, Rat, Dog, Cow



EB09783 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic/vesicle and membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09783 Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



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