

SLC4A11 Antibody

Catalog No: #35052

Package Size: #35052-1 50ul #35052-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

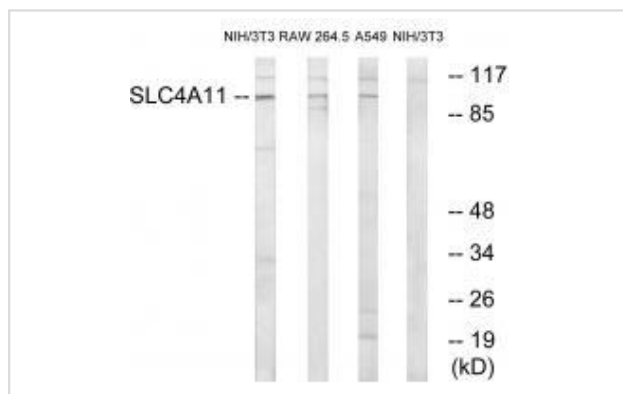
Description

Product Name	SLC4A11 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total SLC4A11 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human SLC4A11.
Target Name	SLC4A11
Other Names	BTR1; CDPD; CHED2; NABC1; SLC4A11
Accession No.	Swiss-Prot: Q8NBS3NCBI Gene ID: 83959
Uniprot	Q8NBS3
GeneID	83959;
SDS-PAGE MW	100kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from 3T3 cells, RAW264.7 cells and A549 cells, using SLC4A11 antibody #35052.

Background

Transporter which plays an important role in sodium-mediated fluid transport in different organs. Prevents severe morphological changes of the cornea caused by increased sodium chloride concentrations in the stroma. In the inner ear, is involved in transport of potassium through the fibrocyte layer to the stria vascularis and is essential for the generation of the endocochlear potential but not for regulation of potassium concentrations in the endolymph. In the kidney, is essential for urinary concentration, mediates a sodium flux into the thin descending limb of Henle loop to allow countercurrent multiplication by osmotic equilibration. By similarity. Involved in borate homeostasis. In the absence of borate, it functions as a Na⁺ and OH⁻(H⁺) channel. In the presence of borate functions as an electrogenic Na⁺ coupled borate cotransporter.

Parker M.D., Biochem. Biophys. Res. Commun. 282:1103-1109(2001).

Deloukas P., Nature 414:865-871(2001).

Ota T., Nat. Genet. 36:40-45(2004).

Note: This product is for in vitro research use only