

Anti-SLC4A4(Electrogenic sodium bicarbonate cotransporter 1) Polyclonal Antibody

Cat. #: 60B619

Description:

SLC4A4(Electrogenic sodium bicarbonate cotransporter 1)is an electrogenic sodium/bicarbonate cotransporter with a Na(+):HCO₃(-) stoichiometry varying from 1:2 to 1:3. SLC4A4 (Electrogenic sodium bicarbonate cotransporter 1) may regulate bicarbonate influx/efflux at the basolateral membrane of cells and regulate intracellular pH. SLC4A4 interacts with CA2/carbonic anhydrase 2 and CA4/carbonic anhydrase 4 which may regulate transporter activity.

Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human SLC4A4 (Electrogenic sodium bicarbonate cotransporter 1)

References

Abuladze,N., et al, J. Biol. Chem. 273 (28), 17689-17695 (1998)
Choi,I., et al, Am. J. Physiol. 276 (3 PT 1), C576-C584 (1999)
Sun,X.C. and Bonanno,J.A., Exp. Eye Res. 77 (3), 287-295 (2003)
Gross,E., et al, J. Physiol. (Lond.) 537 (PT 3), 659-665 (2001)
Yamada,H., et al, Biochem. Biophys. Res. Commun. 310 (4), 1213-1218 (2003)
Tatishchev,S., et al, Biochemistry 42 (3), 755-765 (2003)
Kristensen,J.M., et al, Acta Physiol. Scand. 182 (1), 69-76 (2004)
Igarashi,T., et al, Nat. Genet. 23 (3), 264-266 (1999)

Species: human, rat

Storage and Stability: at -20oC

Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

Preparation:

Purified by antigen-specific affinity chromatography.

Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)