CLCNKB polyclonal antibody

Catalog: BS32945 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

Chloride channel protein ClC-Kb: Anion-selective channel permeable to small monovalent anions with ion selectivity for chloride > bromide > nitrate > iodide . Forms a homodimeric channel where each subunit has its own ion conduction pathway. May conduct double-barreled currents controlled by two types of gates, two fast gates that control each subunit independently and a slow common gate that opens and shuts off both subunits simultaneously . Assembles with the regulatory subunit BSND/Barttin for sorting at the basolateral plasma membrane domain and functional switch to the ion conducting state. CLCNKB:BSND channels display mostly a linear current-voltage relationship controlled by common gate . Mediates chloride conductance along nephron segments, namely the thick ascending limb of Henle's loop, convoluted tubule and the collecting duct, contributing to the maintenance of systemic acid-base and electrolyte homeostas...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~75.4 kDa

Swiss-Prot:

P51801

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of CLCNKB protein

DATA:

Western blot analysis of EEF1E1 expression in HepG2 (A), human testis (B), A549 (C), A431 (D), Jurkat (E), mouse brain (F) whole cell lysates.
Immunofluorescent analysis of EEF1E1 staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ℃ in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).
Flow cytometric analysis of Hela cells using Anti-EEF1E1 Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 ℃ for 60 min. The secondary antibody Goat Anti-Mouse IgG (H&L) - AF488 was incubated at 37 ℃ for 40 min. Isotype control antibody (blue line) was used under the same condition.

Note:

For research use only, not for use in diagnostic procedure.

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