

CLCN3 Rabbit Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP08024

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen Synthesized peptide derived from human CLCN3

Mol wt 89980

Species reactivity Human, Mouse, Rat

Clonality Polyclonal

Recommended application WB

Concentration 1 mg/ml

Full name CLCN3

Synonyms CLCN3

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a member of the voltage-gated chloride channel (CIC) family. The encoded protein is present in all cell types and localized in plasma membranes and in intracellular vesicles. It is a multi-pass membrane protein which contains a CIC domain and two additional C-terminal CBS (cystathionine beta-synthase) domains. The CIC domain catalyzes the selective flow of CI- ions across cell membranes| and the CBS domain may have a regulatory function. This protein plays a role in both acidification and transmitter loading of GABAergic synaptic vesicles| and in smooth muscle cell activation and neointima formation. This protein is required for lysophosphatidic acid (LPA)-activated CI-current activity and fibroblast-to-myofibroblast differentiation. The protein activity is regulated by Ca(2+)/calmodulin-dependent protein kinase II (CaMKII) in glioma cells. Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

Recommended Dilution

WB: 1: 500 - 1: 2000

Not yet tested in other applications.

Images



 $We stern \ blot \ analysis \ of \ ly sates \ from \ HuvEc \ cells, primary \ antibody \ was \ diluted \ at \ 1:1000, \ 4^{\circ}C \ overnight$

Storage

-20°C for 1 year