A3229
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CLCN3 Rabbit pAb

Catalog No.: A3229

Basic Information

Observed MW
105kDa

Calculated MW
91kDa

Category
Polyclonal Antibody

Applications
WB

Cross-Reactivity
Human

Background

This gene encodes a member of the voltage-gated chloride channel (ClC) 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 ClC domain and two additional C-terminal CBS (cystathionine beta-synthase) domains. The ClC domain catalyzes the selective flow of Cl- 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 Cl- 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 Dilutions

WB	1:500 - 1:1000

Immunogen Information

Gene ID
1182

Swiss Prot
P51790

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
CLC3; ClC-3; NEDSBA; NEDHYBA; CLCN3

Contact

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Product Information

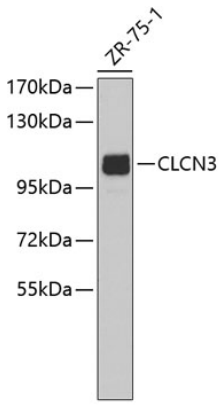
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at 4℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,pH7.3.

Validation Data



Western blot analysis of lysates from ZR-75-1 cells, using CLCN3 Rabbit pAb (A3229).
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.