CLCN4 Polyclonal Antibody

Catalog No. E-AB-30948

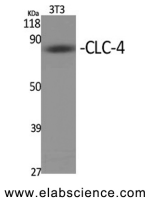
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human,Mouse,Rat
Immunogen	Synthesized peptide derived from the Internal region of human CLC-4
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

Applications	Recommended Dilution
WB	1:500-1:2000
IF	1:100-1:300
ELISA	1:40000

Data



Western Blot analysis of 3T3 cells using CLCN4 Polyclonal Antibody at dilution of 1:500.
Observed Mw:85kDa
Calculated Mw:85kDa

Preparation & Storage

Storage	Store at -20℃. Avoid freeze / thaw cycles.

Background

The CLCN family of voltage-dependent chloride channel genes comprises nine members (CLCN1-7, Ka and Kb) which demonstrate quite diverse functional characteristics while sharing significant sequence homology. Chloride channel 4 has an evolutionary conserved CpG island and is conserved in both mouse and hamster. This gene is mapped in close proximity to APXL (Apical protein Xenopus laevis-like) and OA1 (Ocular albinism type I), which are both located on the human X chromosome at band p22.3. The physiological role of chloride channel 4 remains unknown but may contribute to the pathogenesis of neuronal disorders. Alternate splicing results in two transcript variants that encode different proteins.CLCN4 (Chloride Voltage-Gated Channel 4) is a Protein Coding gene. Diseases associated with CLCN4 include Mental Retardation, X-Linked 49 and Non-Syndromic X-Linked Intellectual Disability. Among its related pathways are

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Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds and Ion channel transport. GO annotations related to this gene include ion channel activity and antiporter activity. An important paralog of this gene is CLCN5.

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