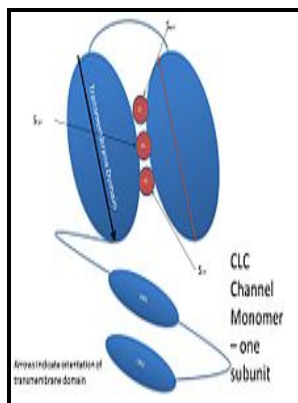


# Proteins which interact with and regulate the chloride channel, CIC-2

National Library of Canada - Identification and characterization of the zebrafish CLC



Description: -

-Proteins which interact with and regulate the chloride channel, CIC-2

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Canadian theses = -- Thèses canadiennes Proteins which interact with and regulate the chloride channel, CIC-2

Notes: Thesis (M.Sc.) -- University of Toronto, 2001.

This edition was published in 2001



Filesize: 18.31 MB

Tags: #CFTR

## Cereblon is expressed in the retina and binds to voltage

Except in rare cases, transporters and channels correspond to separate, unrelated structural families. Weinreich F, Jentsch TJ 2001 Pores formed by single subunits in mixed dimers of different CLC chloride channels. Mutations in CFTR often affect the three-dimensional structure of the protein and prevent CFTR from reaching the membrane.

## Synergistic Effects of Cystic Fibrosis Transmembrane Conductance Regulator and Aquaporin

These results can be interpreted as meaning that in the basal state, the basal CFTR activity maintained by the basal cAMP level via PKA-dependent phosphorylation is required to confer water permeability on the epididymal epithelium.

## CIC

Li WH, Yang J, Gu X 2005 Expression divergence between duplicate genes. Throughput rates in the range of  $10^6$  ions per second do not require a wide pore.

## CLIC2 Gene

Chloride is observed at these sites in various structures ; ; . The ASL also contains antiproteases, antioxidants, antibodies and other substances that work together to neutralize or destroy invading organisms without damaging the lungs. However UniProtKB may contain entries with identical sequences in case of multiple genes paralogs.

## CLIC4

Evidence in other epithelial tissues indicates that CFTR, besides functioning as a cAMP-activated chloride channel, also acts as a regulator of other membrane transport proteins.



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