BT LAB
Bioassay Technology Laboratory
Optimize Your Research

CLCC1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP01866
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human CLCC1. AA range:391-440
Mol wt	62023
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB, IF, ELISA
Concentration	1 mg/ml
Full name	CLCC1 Antibody
Synonyms	CLCC1; KIAA0761; MCLC; Chloride channel CLIC-like protein 1; Mid-1-related chloride channel protein 1

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

Background

Chloride channels (CLCs) regulate cellular traffic of chloride ions, a critical component of all living cells. CLCs are involved in membrane potential stabilization, signal transduction, cell volume regulation and organic solute transport. CLCC1 (Chloride channel CLIC-like protein 1), also known as MCLC (Mid-1-related chloride channel) or KIAA0761, is a 551 amino acid multi-pass membrane protein that belongs to the chloride channel MCLC family. CLCC1 is related to the Saccharomyces cerevisiae protein Mid-1 and is believed to function as an intracellular chloride channel that is expressed in lung, brain, muscle, liver and testis. Localizing to intracellular compartments such as the Golgi apparatus, the endoplasmic reticulum (ER) and the nuclear envelope, CLCC1 is expressed as four isoforms due to alternative splicing events, namely hMCLC-1, hMCLC-2, hMCLC-3 and hMCLC-4.

Recommended Dilution

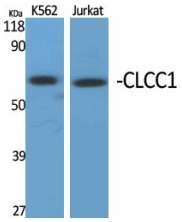
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

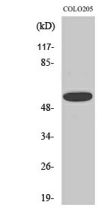
ELISA: 1: 40000

Not yet tested in other applications.

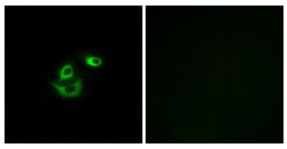
Images



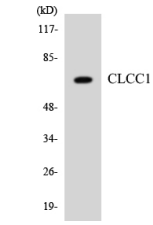
Western Blot analysis of various cells using CLCC1 Polyclonal Antibody diluted at 1:1000



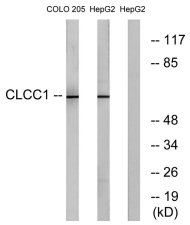
Western Blot analysis of HepG2 cells using CLCC1 Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of A549 cells, using CLCC1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using CLCC1 antibody.



Western blot analysis of lysates from COLO and HepG2 cells, using CLCC1 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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