

CLIC6 (L-19): sc-65050

BACKGROUND

Chloride intracellular channel 6 (CLIC6) is a probable chloride ion channel belonging to the chloride channel CLIC family. CLIC6 is believed to play a critical role in water-secreting cells, possibly through the regulation of chloride ion transport. Two essential features distinguish CLIC6 from other members of the family: the CLIC6 protein is significantly longer and the CLIC6 gene contains a GC rich segment, which encodes a 10 amino acid motif repeated 14 times in the amino-terminus. The CLIC6 gene is a rare example of large-scale segmental paralogy in which a large (approximately 500 kb) segment on human chromosome (HC) 21 (21q22) is triplicated on HC 1 and HC 6. CLIC6 is also known to interact with dopamine receptors DRD2, DRD3 and DRD4. CLIC6 is primarily expressed in the cytoplasm, however, upon chloride ion efflux from the cell, CLIC6 is translocated to the plasma membrane. CLIC6 has been identified in brain, placenta, pancreas and liver. CLIC6 is a 704 amino acid protein and there are two known isoforms, A and B. CLIC6 is also identified as parchorin in rabbit.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Clc6 (mouse) mapping to 16 C4.

SOURCE

CLIC6 (L-19) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of CLIC6 of mouse origin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-65050 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

CLIC6 (L-19) is recommended for detection of CLIC6 of mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for CLIC6 siRNA (m): sc-62131, CLIC6 shRNA Plasmid (m): sc-62131-SH and CLIC6 shRNA (m) Lentiviral Particles: sc-62131-V.

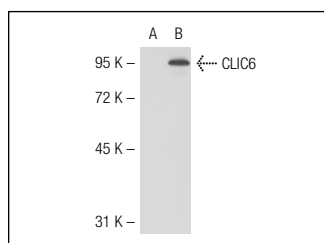
Molecular Weight of CLIC6: 71 kDa.

Positive Controls: CLIC6 (m): 293T Lysate: sc-119306.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotting A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



CLIC6 (L-19): sc-65050. Western blot analysis of CLIC6 expression in non-transfected: sc-117752 (A) and mouse CLIC6 transfected: sc-119306 (B) 293T whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.