

Chloride intracellular channel protein 1

UniProt

Function: Can insert into membranes and form chloride ion channels. Channel activity depends on the pH. Membrane insertion seems to be redox-regulated and may occur only under oxydizing conditions. Involved in regulation of the cell cycle.

Subcellular location: Nucleus. Nucleus membrane; Single-pass membrane protein (probable). Cytoplasm. Cell membrane; Single-pass membrane protein (probable). *NOTE:* Mostly in the nucleus including in the nuclear membrane. Small amount in the cytoplasm and the plasma membrane. Exists both as soluble cytoplasmic protein and as membrane protein with probably a single transmembrane domain.

Tissue specificity: Expression is prominent in heart, placenta, liver, kidney and pancreas.

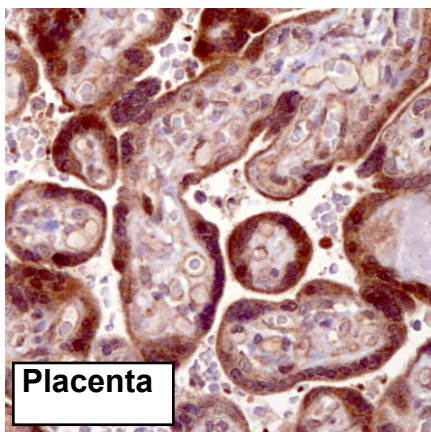
Two antibodies: CLIC1-1 and CLIC1-2 were tested. Both antibodies were approved for IHC. CLIC1-1 was selected for full protein profiling.

CLIC1-2 (CAB040559)

Immunohistochemistry

IHC protocol: HIER pH 6, Dilution 1:75

IHC test staining: Cytoplasmic staining of varying intensity in most tissues. Strong staining in intestine, testes, kidney tubules and pancreas.



Western blot

WB Size markers (kDa): 250, 130, 95, 72, 55, 36, 28, 17, 11

WB Lanes: Marker(1), RT-4(2), U251 MG(3), Plasma(4), Liver(5), Tonsil(6)

WB Target weight (kDa): 27

WB Validation: Supportive - Band of predicted size in kDa (+/-20%) with additional bands present.

