

CLIC2 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI16144

Product Information

Application	WB
Primary Accession	O15247
Other Accession	NP_001280
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28356

Additional Information

Gene ID	1193
Alias Symbol Other Names	CLIC2, Chloride intracellular channel protein 2, XAP121, CLIC2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 μ l of distilled water. Final Anti-CLIC2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.
Precautions	CLIC2 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CLIC2 {ECO:0000303 PubMed:9339381, ECO:0000312 HGNC:HGNC:2063}
Function	In the soluble state, catalyzes glutaredoxin-like thiol disulfide exchange reactions with reduced glutathione as electron donor. Displays weak glutathione peroxidase activity (Probable) (PubMed: 25581026). Can insert into membranes and form chloride ion channels. Membrane insertion seems to be redox-regulated and may occur only under oxidizing conditions. Modulates the activity of RYR2 and inhibits calcium influx.
Cellular Location	Cytoplasm. Membrane; Single-pass membrane protein. Note=Exists both as soluble cytoplasmic protein and as membrane protein with probably a single transmembrane domain
Tissue Location	Expressed in adult and fetal brain, heart, skeletal muscle, liver, lung, and

spleen. Detected in adult stomach and testis Expressed in fetal thymus and kidney.

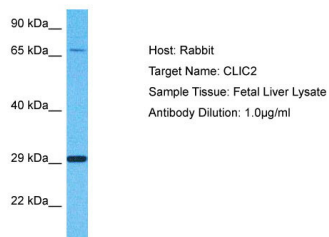
Background

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. Modulates the activity of RYR2 and inhibits calcium influx.

References

Heiss N.S.,et al.Genomics 45:224-228(1997).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Fan L.,et al.FEBS Lett. 540:77-80(2003).

Images



Host: Rabbit
Target Name: CLIC2
Sample Tissue: Fetal Liver lysates
Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.