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Anti-CLIC1 / NCC27 Antibody (clone 2D4)

Mouse Anti Human Monoclonal Antibody
Catalog # ALS17640

Product Information

Application	WB, IHC-P, E
Primary Accession	O00299
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	2D4
Calculated MW	26923

Additional Information

Gene ID	1192
Alias Symbol	CLIC1
Other Names	CLIC1, Chloride channel ABP, G6, Nuclear chloride channel-27, p64CLCP, RNCC protein, HRNCC, NCC27
Reconstitution & Storage	Protein A purified
Precautions	Anti-CLIC1 / NCC27 Antibody (clone 2D4) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CLIC1 {ECO:0000303|PubMed:16339885, ECO:0000312|HGNC:HGNC:2062}
Function	In the soluble state, catalyzes glutaredoxin-like thiol disulfide exchange reactions with reduced glutathione as electron donor. Reduces selenite and dehydroascorbate and may act as an antioxidant during oxidative stress response (PubMed:25581026, PubMed:37759794). Can insert into membranes and form voltage-dependent multi-ion conductive channels. Membrane insertion seems to be redox- regulated and may occur only under oxidizing conditions. Involved in regulation of the cell cycle.
Cellular Location	Nucleus. Nucleus membrane; Single-pass membrane protein. Cytoplasm. Cell membrane; Single-pass membrane protein. Endoplasmic reticulum {ECO:0000250|UniProtKB:Q6MG61}. Note=Mostly in the nucleus including in the nuclear membrane (PubMed:12681486, PubMed:9139710). Small amount in the cytoplasm and the plasma membrane (PubMed:9139710). Exists both as soluble cytoplasmic protein and as membrane protein with probably a single transmembrane domain (PubMed:11551966, PubMed:11940526,

	PubMed:12681486, PubMed:14613939, PubMed:9139710). Might not be present in the nucleus of cardiac cells (By similarity) {ECO:0000250|UniProtKB:Q6MG61, ECO:0000269|PubMed:11551966, ECO:0000269|PubMed:11940526, ECO:0000269|PubMed:12681486, ECO:0000269|PubMed:14613939, ECO:0000269|PubMed:9139710}
Tissue Location	Expression is prominent in heart, placenta, liver, kidney and pancreas.

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