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CLIC6 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10474c

Specification

CLIC6 Antibody (Center) - Product Information

Application	**FC, WB, IHC-P,E**
Primary Accession	Q96NY7
Other Accession	Q811Q2, Q8BHB9, NP_444507.1
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**73012**
Antigen Region	**539-565**

CLIC6 Antibody (Center) - Additional Information

Gene ID 54102

Other Names
Chloride intracellular channel protein 6, Parchorin, CLIC6, CLIC1L

Target/Specificity
This CLIC6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 539-565 amino acids from the Central region of human CLIC6.

Dilution
FC~~1:10~50
WB~~1:1000
IHC-P~~1:50~100
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CLIC6 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CLIC6 Antibody (Center) - Protein Information

Name CLIC6 {ECO:0000303|PubMed:37838179, ECO:0000312|HGNC:HGNC:2065}

Function In the soluble state, catalyzes glutaredoxin-like thiol disulfide exchange reactions with reduced glutathione as electron donor (By similarity). Can insert into membranes and form voltage-dependent chloride-selective channels. The channel opens upon membrane depolarization at positive voltages and closes at negative membrane voltages (PubMed:37838179). May play a critical role in water-secreting cells, possibly through the regulation of chloride ion transport (By similarity).

Cellular Location
Cytoplasm. Cell membrane; Single-pass membrane protein Note=Predominantly cytoplasmic. Upon chloride ion efflux from the cell, it is translocated to the plasma membrane (By similarity)

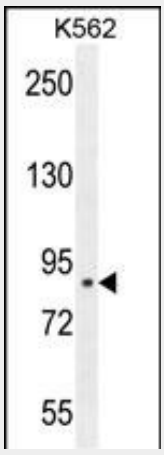
Tissue Location
Expressed in brain, placenta, pancreas, liver, lung, heart, kidney, liver, spleen, soleus muscle, and brown fat

CLIC6 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CLIC6 Antibody (Center) - Images



CLIC6 Antibody (Center) (Cat. #AP10474c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the CLIC6 antibody detected the CLIC6 protein (arrow).

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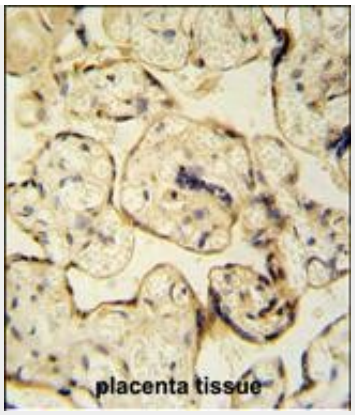
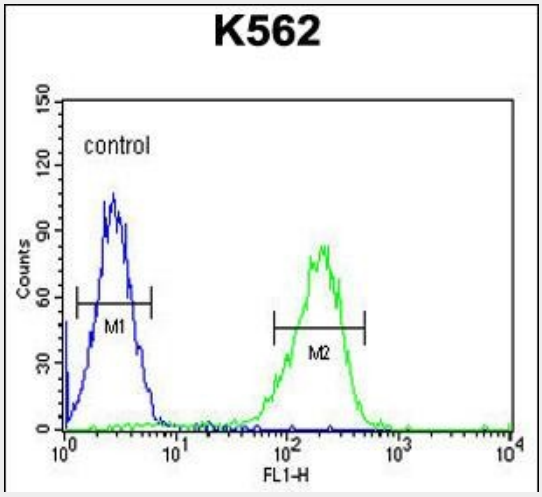


CLIC6 antibody (Center) (Cat. #AP10474c) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the CLIC6 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



CLIC6 Antibody (Center) (Cat. #AP10474c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CLIC6 Antibody (Center) - Background

CLIC6 is a member of the chloride intracellular channel family of proteins. The gene is part of a large triplicated region found on chromosomes 1, 6, and 21. An alternatively spliced transcript variant has been described, but its biological validity has not been determined.

CLIC6 Antibody (Center) - References

Wheeler, H.E., et al. PLoS Genet. 5 (10), E1000685 (2009) :
Friedli, M., et al. Gene 320, 31-40 (2003) :
Strippoli, P., et al. Mamm. Genome 13(8):456-462(2002)
Scanlan, M.J., et al. Cancer Immun. 1, 4 (2001) :

CLIC6 Antibody (Center) - Citations

- A Novel Risk Score Model of Lactate Metabolism for Predicting over Survival and Immune Signature in Lung Adenocarcinoma