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CLIC3 Antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI16145

Specification

CLIC3 Antibody - middle region - Product Information

Application	**WB**
Primary Accession	O95833
Other Accession	NP_004660
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**25kDa KDa**

CLIC3 Antibody - middle region - Additional Information

Gene ID 9022

Alias Symbol	**CLIC3,**

Other Names
Chloride intracellular channel protein 3, CLIC3

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 &mu, l of distilled water. Final Anti-CLIC3 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
CLIC3 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

CLIC3 Antibody - middle region - Protein Information

Name CLIC3 {ECO:0000303|PubMed:32066374, ECO:0000312|HGNC:HGNC:2064}

Function
In the soluble state, catalyzes glutaredoxin-like thiol disulfide exchange reactions with reduced glutathione as electron donor (PubMed:28198360, PubMed:37759794). Reduced in a glutathione-dependent way and secreted into the extracellular matrix where it activates TGM2 and promotes blood vessel growth during tissue remodeling as occurs in tumorigenesis. Can reduce specific cysteines in TGM2 and regulate cofactor binding (PubMed:28198360). Can insert into membranes and form outwardly rectifying chloride ion channels. May participate in cellular growth control.

Cellular Location
Nucleus. Membrane; Single-pass membrane protein. Cell membrane; Single-pass membrane protein. Cytoplasm. Secreted, extracellular space, extracellular matrix. Note=Predominantly nuclear. Some protein was found in the cytoplasm. Exists both as soluble cytoplasmic protein and as membrane protein with probably a single transmembrane domain (By similarity). Secreted into the extracellular matrix by activated fibroblasts. {ECO:0000250, ECO:0000269|PubMed:28198360}

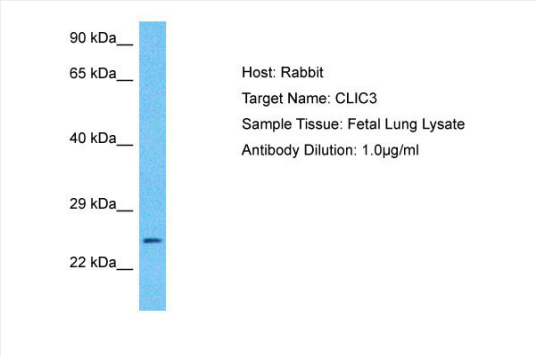
Tissue Location
Detected in placenta (at protein level). Widely expressed. High expression is found in placenta followed by lung and heart. Low expression in skeletal muscle, kidney and pancreas

CLIC3 Antibody - middle region - 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

CLIC3 Antibody - middle region - Images



Host: Rabbit
Target Name: CLIC3
Sample Tissue: Fetal Lung lysates
Antibody Dilution: 1.0µg/ml

CLIC3 Antibody - middle region - Background

Can insert into membranes and form chloride ion channels. May participate in cellular growth control.

CLIC3 Antibody - middle region - References

Humphray S.J.,et al.Nature 429:369-374(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Qian Z.,et al.J. Biol. Chem. 274:1621-1627(1999).
Money T.T.,et al.Placenta 28:429-436(2007).

Littler D.R.,et al.Proteins 78:1594-1600(2010).