

For Research Use Only

CLIC3 Polyclonal antibody

Catalog Number: 15971-1-AP

4 Publications



Basic Information

Catalog Number:

15971-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8757

GenBank Accession Number:

BC007012

GeneID (NCBI):

9022

UNIPROT ID:

O95833

Full Name:

chloride intracellular channel 3

Calculated MW:

236 aa, 26 kDa

Observed MW:

27-30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF, IHC, ColP

Species Specificity:

human, mouse, rat

Cited Species:

human, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : JAR cells, human placenta tissue, mouse kidney tissue, rat kidney tissue

IHC : human placenta tissue,

IF/ICC : MCF-7 cells,

Background Information

Chloride channels are a diverse group of proteins that regulate fundamental cellular processes including stabilization of cell membrane potential, transepithelial transport, maintenance of intracellular pH, and regulation of cell volume (PMID: 9880541). CLIC3 (chloride intracellular channel protein 3) belongs to the chloride channel CLIC family which has seven members based on sequence homology to the p64 chloride channels of bovine kidney microsomes. CLIC proteins lack the membrane-spanning domains characteristic of channel proteins and are largely intracellular. CLIC3 is predominantly localized in the nucleus and has a high expression level in placenta (PMID: 9880541; 17027078). It associates with the C-terminal of ERK7 and may participate in cellular growth control.

Notable Publications

Author	Pubmed ID	Journal	Application
Liddel Shaw A SA	23843944	PLoS One	IHC
Gang Liu	32328183	J Cancer	WB
Yujun Shuai	38182571	Cell Death Dis	WB,IF,ColP

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

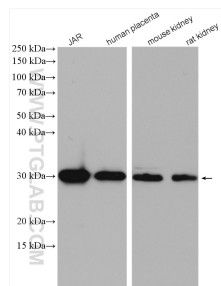
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

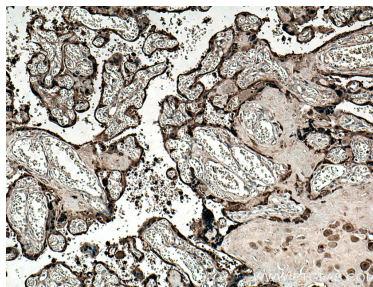
E: proteintech@ptglab.com
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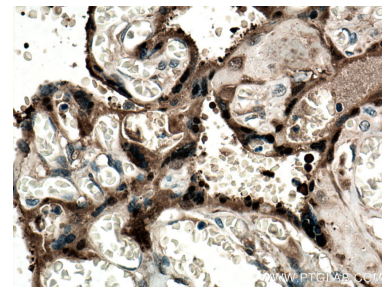
Selected Validation Data



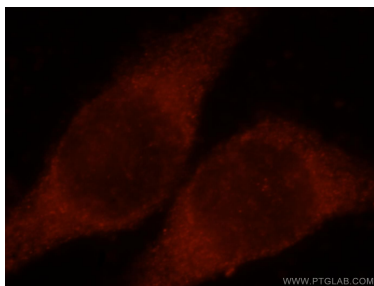
Various lysates were subjected to SDS PAGE followed by western blot with 15971-1-AP (CLIC3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



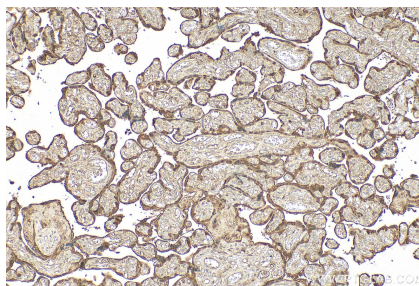
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 15971-1-AP (CLIC3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



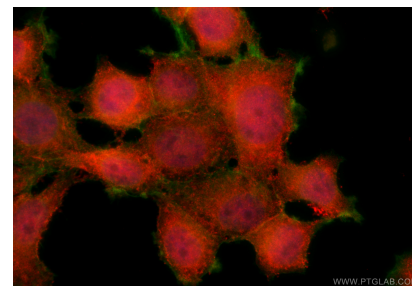
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 15971-1-AP (CLIC3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of MCF-7 cells, using CLIC3 antibody 15971-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 15971-1-AP (CLIC3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CLIC3 antibody (15971-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-Phalloidin (green).