

For Research Use Only

# CLIC4 Polyclonal antibody

Catalog Number: 12298-2-AP

Featured Product



## Basic Information

<b>Catalog Number:</b> 12298-2-AP	<b>GenBank Accession Number:</b> BC012444	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 25932	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> chloride intracellular channel 4	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 253 aa, 29 kDa	
<b>Immunogen Catalog Number:</b> AG2942	<b>Observed MW:</b> 29 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Species Specificity:

human, mouse, 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 : mouse kidney tissue, human kidney tissue, HeLa cells, mouse ovary tissue

IHC : human kidney tissue,

## 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. CLIC4 is a p53- and tumor necrosis factor alpha-regulated cytoplasmic and mitochondrial protein that belongs to the CLIC family of intracellular chloride channels. CLICs have actions distinct from traditional cell membrane chloride channels, including formation of ion channels in intracellular organelles and roles in membrane trafficking, apoptosis, and cell differentiation.

## 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

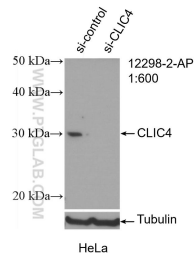
For technical support and original validation data for this product please contact:

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

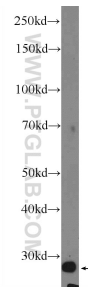
E: proteintech@ptglab.com  
W: ptglab.com

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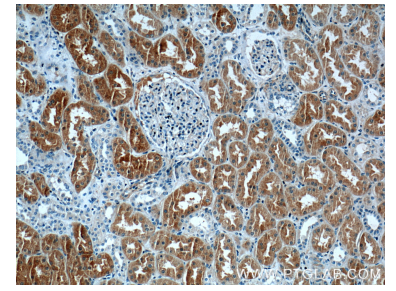
## Selected Validation Data



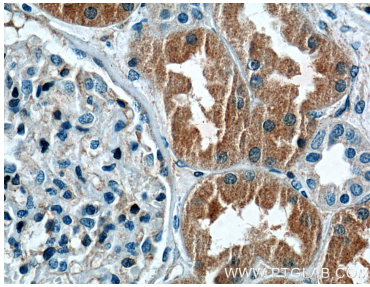
WB result of CLIC4 antibody (12298-2-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-CLIC4 transfected HeLa cells.



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 12298-2-AP (CLIC4 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12298-2-AP (CLIC4 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12298-2-AP (CLIC4 Antibody) at dilution of 1:200 (under 40x lens).