

Rabbit CLIC4 Polyclonal Antibody | anti-CLIC4 antibody

CLIC4 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324609	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

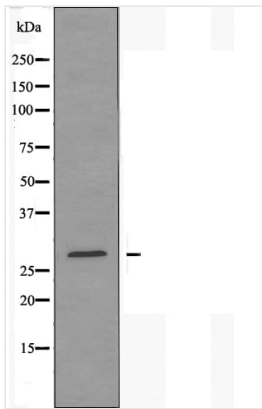
PRODUCT SYNONYMS

CLIC4; Polyclonal Antibody; CLIC4 Antibody; Chloride intracellular channel 4; Chloride intracellular channel 4 (mitochondrial); Chloride intracellular channel 4 like; Chloride intracellular channel protein 4; Clic4; CLIC4_HUMAN; CLIC4L; DKFZP566G223; FLJ38640; H1; HUH1; Intracellular chloride ion channel protein p64H1; MC3S5; mtCLIC; p64H1; anti-CLIC4 antibody

PRODUCT SPECIFICATIONS

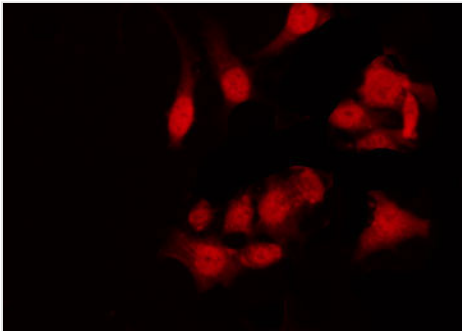
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CLIC4 antibody detects endogenous levels of total CLIC4
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	253
Applicable Applications for anti-CLIC4 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm, Cytoskeleton, Microtubule Organizing Center, Centrosome. Cytoplasmic Vesicle Membrane. Nucleus Matrix. Cell Membrane. Mitochondrion. Cell Junction. Colocalized with AKAP9 at the centrosome and midbody. Exists both as soluble cytoplasmic protein and as membrane protein with probably a single transmembrane domain. Present in an intracellular vesicular compartment that likely represent trans-Golgi network vesicles.
Tissue Specificity	Detected in epithelial cells from colon, esophagus and kidney (at protein level). Expression is prominent in heart, kidney, placenta and skeletal muscle.
Predicted Cross Reactivity	Pig, Bovine, Sheep
Similarity	Pig (91%), Bovine (91%), Sheep (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



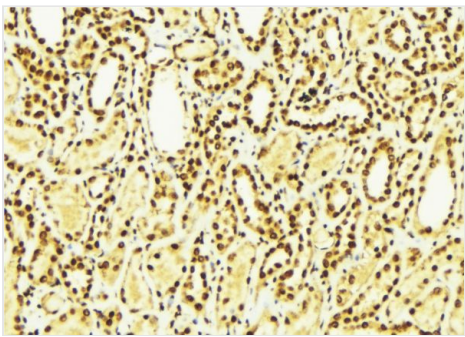
WB (Western Blot)

Western blot analysis of extracts from HT-29 cells, using CLIC4 antibody.



IF (Immunofluorescence)

AAA324609 staining HT29 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



IHC (Immunohiostchemistry)

AAA324609 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-CLIC4 antibody	Function: Can insert into membranes and form poorly selective ion channels that may also transport chloride ions. Channel activity depends on the pH. Membrane insertion seems to be redox-regulated and may occur only under oxydizing conditions. Promotes cell-surface expression of HRH3. Has alternate cellular functions like a potential role in angiogenesis or in maintaining apical-basolateral membrane polarity during mitosis and cytokinesis. Could also promote endothelial cell proliferation and regulate endothelial morphogenesis (tubulogenesis). Subunit Structure: Component of a multimeric complex consisting of several cytoskeletal proteins, including actin, ezrin, alpha-actinin, gelsolin, IQGAP1 and CLIC5A. Binds directly to brain dynamin I in a complex containing actin, tubulin and 14-3-3 isoforms. Monomer. Interacts with HRH3. Interacts with AKAP9. Similarity: Members of this family may change from a globular, soluble state to a state where the N-terminal domain is inserted into the membrane and functions as chloride channel. A conformation change of the N-terminal domain is thought to expose hydrophobic surfaces that trigger membrane insertion. Belongs to the chloride channel CLIC family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7330335
NCBI GeneID	25932
NCBI Accession #	NP_039234.1
NCBI GenBank Nucleotide #	NM_013943.2
UniProt Accession #	Q9Y696; Q9UFW9; Q9UQJ6

Molecular Weight	Observed: 29 kD Predicted: 29 kDa
NCBI Official Full Name	chloride intracellular channel protein 4
NCBI Official Synonym Full Names	chloride intracellular channel 4
NCBI Official Symbol	CLIC4
NCBI Official Synonym Symbols	H1; huH1; p64H1; CLIC4L; MTCLIC
NCBI Protein Information	chloride intracellular channel protein 4
UniProt Protein Name	Chloride intracellular channel protein 4
UniProt Gene Name	CLIC4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/clic4-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/324609>