



Rabbit Anti-CLCN3 antibody

SL6981R

Product Name:	CLCN3
Chinese Name:	氯离子Channel protein3抗体
Alias:	Chloride channel 3; Chloride channel protein 3; Chloride transporter CIC 3; Chloride transporter CIC-3; Chloride transporter CIC3; CIC 3; CIC-3; CIC3; CLCN 3; CLCN3; CLCN3_HUMAN; H(+)/Cl(-) exchange transporter 3.
文献引用 PubMed :	Specific References(1) SL6981R has been referenced in 1 publications. [IF=0.00] Larrouture, Quitterie C., et al. "Chloride–hydrogen antiporters CIC-3 and CIC-5 drive osteoblast mineralization and regulate fine-structure bone patterning in vitro." <i>Physiological Reports</i> 3.11 (2015): e12607. WB;Human. PubMed:26603451
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	91kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CLCN3/CLC-3:81-180/818
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year

	when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>Mediates the exchange of chloride ions against protons. Functions as antiporter and contributes to the acidification of the endosome and synaptic vesicle lumen, and may thereby affect vesicle trafficking and exocytosis. May play an important role in neuronal cell function through regulation of membrane excitability by protein kinase C. It could help neuronal cells to establish short-term memory.</p> <p>Function: Mediates the exchange of chloride ions against protons. Functions as antiporter and contributes to the acidification of the endosome and synaptic vesicle lumen, and may thereby affect vesicle trafficking and exocytosis. May play an important role in neuronal cell function through regulation of membrane excitability by protein kinase C. It could help neuronal cells to establish short-term memory.</p> <p>Subunit: Homo- or heterodimer. Isoform 2 interacts with GOPC, PDZK1 and SLC9A3R1/EBP50.</p> <p>Subcellular Location: Isoform 1: Membrane; Multi-pass membrane protein. Early endosome membrane; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Cytoplasmic vesicle, secretory vesicle membrane; Multi-pass membrane protein. Isoform 2: Membrane; Multi-pass membrane protein. Early endosome membrane; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein.</p> <p>Tissue Specificity: Expressed primarily in tissues derived from neuroectoderm. Within the brain, its expression is particularly evident in the hippocampus, olfactory cortex, and olfactory bulb. Highly expressed in aortic and coronary vascular smooth muscle cells, and aortic endothelial cells. Also expressed in tracheal and alveolar epithelial cells, and intima and media of the pulmonary vessels. Expressed in bronchus and colon (at protein level).</p> <p>Post-translational modifications: N-glycosylated.</p> <p>Similarity: Belongs to the chloride channel (TC 2.A.49) family. CIC-3/CLCN3 subfamily. Contains 2 CBS domains.</p> <p>SWISS: P51790</p> <p>Gene ID: 1182</p>

Database links:

[Entrez Gene: 1182](#)Human

[Entrez Gene: 12725](#)Mouse

[Entrez Gene: 84360](#)Rat

[Omim: 600580](#)Human

[SwissProt: P51790](#)Human

[SwissProt: P51791](#)Mouse

[SwissProt: P51792](#)Rat

[Unigene: 481186](#)Human

[Unigene: 25263](#)Mouse

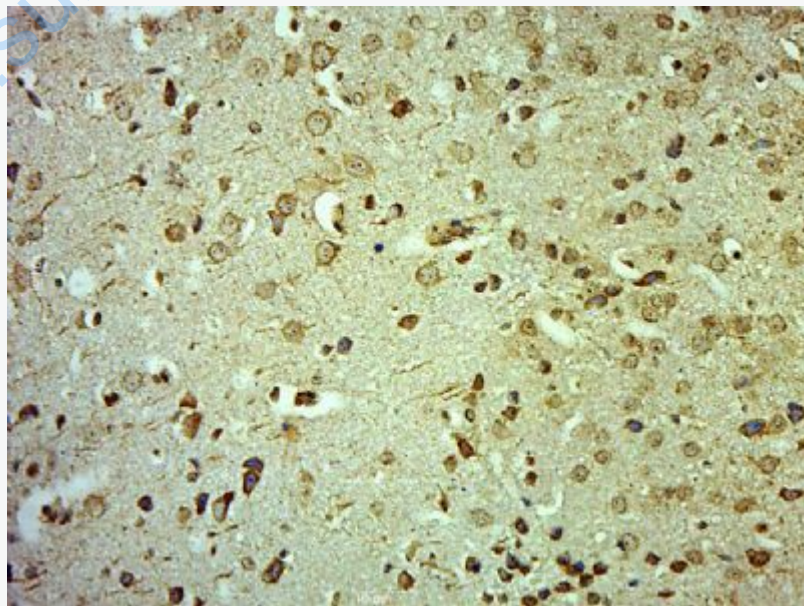
[Unigene: 259751](#)Mouse

[Unigene: 4175](#)Rat

Important Note:

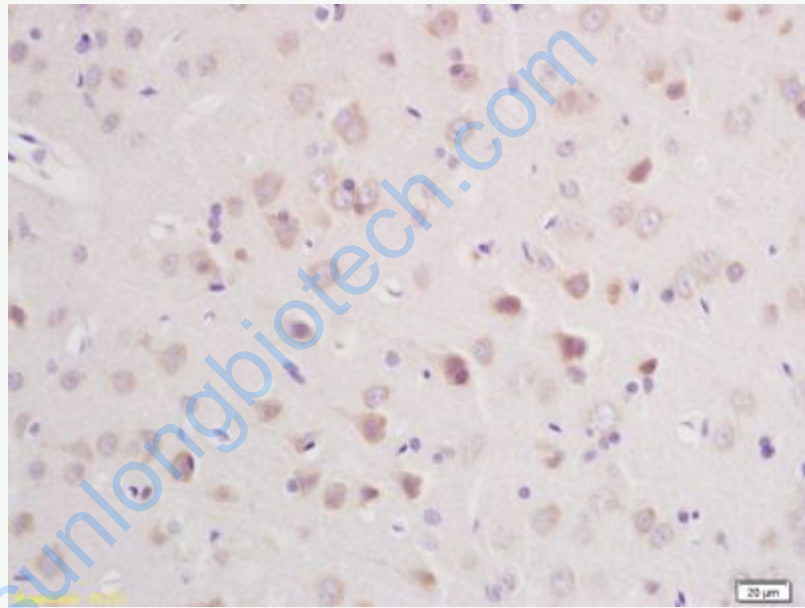
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Picture:



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by

boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CLCN3) Polyclonal Antibody, Unconjugated (SL6981R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-CLCN3/CLC-3 Polyclonal Antibody, Unconjugated(SL6981R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining