

CLC 3

Cat.No. 252 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 IP: not tested yet ICC: not tested yet IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 558 to 689 from mouse CLC3 (UniProt Id: P51791)
Reactivity	Reacts with: rat (P51792), mouse (P51791). Other species not tested yet.
Specificity	Epitope present in both splice variants of CLC 3. May cross react to CLC 4 and 5, due to sequence homology.
matching control	252-0P

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The **CLC 3** chloride channel, also referred to as **CLCN 3**, belongs to the voltage-gated chloride channels and is ubiquitously expressed throughout the brain and other tissues. Two splice variants of the protein have been described. CLC 3 resides on intracellular trafficking vesicles including synaptic vesicles. It mediates the exchange of chloride ions against protons. In contrast to the translocation of glutamate into synaptic vesicles, the VGAT mediated transport of GABA requires CLC 3. It has been postulated that CLC 3 provides chloride ions as charge balance during the acidification of the vesicle lumen by proton pumping of the V-ATPase.

Selected References SYSY Antibodies

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