

## Rabbit Clcn1 Polyclonal Antibody | anti-CLCN1 antibody

Clcn1 antibody - C-terminal region

|                               |                       |                                                                                   |                                     |
|-------------------------------|-----------------------|-----------------------------------------------------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA197894</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------------------------------------------------------|-------------------------------------|

### PRODUCT SYNONYMS

Clcn1; Polyclonal Antibody; Clcn1 antibody - C-terminal region; anti-CLCN1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Cow, Dog, Goat, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat                                                                                          |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Purity/Purification                             | Affinity Purified                                                                                                                                     |
| Form/Format                                     | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                        | Synthetic peptide with the following sequence: SS IFQRLHCLL GKAHSTKKKI TQDSTDLDVN MSPEEIEAWE REQLSQPV                                                 |
| Sequence Length                                 | 994                                                                                                                                                   |
| Applicable Applications for anti-CLCN1 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                        | Cow: 93%; Dog: 86%; Goat: 93%; Guinea Pig: 86%; Horse: 100%; Human: 100%; Mouse: 93%; Rabbit: 93%; Rat: 100%                                          |
| Immunogen                                       | The immunogen is a synthetic peptide corresponding to a region of Rat                                                                                 |
| Preparation and Storage                         | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

WB Suggested Anti-Clcn1 Antibody Titration: 0.2-1 ug/mL  
ELISA Titer: 1:62500  
Positive Control: Rat Brain

**WB (Western Blot)**

Lanes: 1: 20ug mouse muscle membrane fraction, 2: Empty, 3: 20ug mouse brain membrane fraction, 4: Empty, 5: 20ug mouse muscle cytosolic fraction, 6: 20ug mouse brain cytosolic fraction  
Primary Antibody Dilution: 1:1000  
Secondary Antibody: Anti-rabbit HRP  
Secondary Antibody Dilution: 1:2000  
Gene Name: Clcn1  
Submitted by: Anonymous

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CLCN1 antibody | <p>This is a rabbit polyclonal antibody against Clcn1. It was validated on Western Blot</p> <p>Target Description: Clcn1 is the voltage-gated chloride channel. Chloride channels have several functions including the regulation of cell volume; membrane potential stabilization, signal transduction and transepithelial transport.</p> |
| Product Categories/Family for anti-CLCN1 antibody   | <b>Polyclonal</b> ; <b>Ion Channel</b>                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                  |
|----------------------------------|----------------------------------|
| NCBI GI #                        | 6978663                          |
| NCBI GeneID                      | 25688                            |
| NCBI Accession #                 | NP_037279                        |
| NCBI GenBank Nucleotide #        | NM_013147                        |
| UniProt Accession #              | P35524                           |
| Molecular Weight                 | 110kDa                           |
| NCBI Official Full Name          | chloride channel protein 1       |
| NCBI Official Synonym Full Names | chloride voltage-gated channel 1 |
| NCBI Official Symbol             | Clcn1                            |
| NCBI Official Synonym Symbols    | SMCC                             |
| NCBI Protein Information         | chloride channel protein 1       |
| UniProt Protein Name             | Chloride channel protein 1       |
| UniProt Gene Name                | <b>Clcn1</b>                     |
| UniProt Synonym Gene Names       | ClC-1                            |
| UniProt Entry Name               | CLCN1_RAT                        |

**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.

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