

CLCN1 Rabbit pAb

CatalogNo: YN0588

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA

MW

- 108kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

ELISA 1:5000-20000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from part region of human protein

Specificity CLCN1 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name CLCN1 CLC1

Protein Name	Chloride channel protein 1 (CLC-1) (Chloride channel protein, skeletal muscle)		
	Organism	Gene ID	UniProt ID
	Human	1180;	P35523;
	Mouse		Q64347;
	Rat		P35524;

Cellular Localization Cell membrane ; Multi-pass membrane protein .

Tissue specificity Predominantly expressed in skeletal muscles.

Function Disease:Defects in CLCN1 are the cause of autosomal dominant myotonia congenita (MCD) [MIM:160800]; also known as Thomsen disease. MCD is characterized by skeletal muscle stiffness (delayed relaxation), due to membrane hyperexcitability. A variant form of Thomsen disease is myotonia levior that is characterized by milder symptoms, later onset and absence of muscle hypo- and hypertrophy.,Disease:Defects in CLCN1 are the cause of autosomal recessive myotonia congenita (MCR) [MIM:255700]; also known as Becker disease.,Function:Voltage-gated chloride channel. Chloride channels have several functions including the regulation of cell volume; membrane potential stabilization, signal transduction and transepithelial transport.,miscellaneous:The CLC channel family contains both chloride channels and proton-coupled anion transporters that exchange chloride or another anion for protons. The absence of conserved gating glutamate residues is typical for family members that function as channels.,similarity:Belongs to the chloride channel (TC 2.A.49) family.,similarity:Contains 2 CBS domains.,subunit:Homotetramer.,tissue specificity:Predominantly expressed in skeletal muscles.,

| Validation Data

| Contact information

Orders: order@immunoway.com
 Support: tech@immunoway.com
 Telephone: 877-594-3616 (Toll Free), 408-747-0185
 Website: http://www.immunoway.com
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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