

CLCN1 rabbit monoclonal antibody

Catalog # H00001180-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human CLCN1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human CLCN1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human CLCN1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — CLCN1

Entrez GeneID [1180](#)

GeneBank Accession# [CLCN1](#)

Gene Name CLCN1

Gene Alias CLC1, MGC138361, MGC142055

Gene Description chloride channel 1, skeletal muscle

Omim ID [118425](#) [160800](#) [255700](#)

Gene Ontology [Hyperlink](#)

Gene Summary The CLCN family of voltage-dependent chloride channel genes comprises nine members (CLCN 1-7, Ka and Kb) which demonstrate quite diverse functional characteristics while sharing significant sequence homology. The protein encoded by this gene regulates the electric excitability of the skeletal muscle membrane. Mutations in this gene cause two forms of inherited human muscle disorders: recessive generalized myotonia congenita (Becker) and dominant myotonia (Thomsen). [provided by RefSeq]

Other Designations skeletal muscle chloride channel 1

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Myotonic dystrophy](#)
- [Occupational Diseases](#)
- [Tobacco Use Disorder](#)