CLCN1 Rabbit mAb

Catalog NO.: A21237 Recombinant

Basic Information

Observed MW
109 kDa

Calculated MW
109kDa

Category
Monoclonal Antibodies

Applications
WB, ELISA

Cross-Reactivity
Human

Conjugation
Unconjugated

Clone number
ARC52491

Background

The CLCN family of voltage-dependent chloride channel genes comprises nine members (CLCN1-7, 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). Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:2000 - 1:5000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1180

Swiss Prot
P35523

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
CLC1; CLCN1

Contact

Product Information

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☒ | service@abclonal.com
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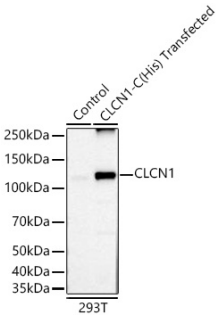
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from wild type (WT) and 293T cells transfected with CLCN1 (Human) using CLCN1 Rabbit mAb (A21237) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 20 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020)
.Exposure time: 45 s.

For research use only. Not for therapeutic or diagnostic purposes.

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