

## CLCN1

**Reactivity:** Human Mouse

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200

**Calculated MW:** 108kDa

**Observed MW:** Refer to Figures

**Immunogen:**

Recombinant protein of human CLCN1

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

g

**Synonym:**

CLC1;

**Catalog #:** A5739

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 1180

**Isotype:** IgG

**Swiss Prot:** P35523

**Purity:** Affinity purification

For research use only.

**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.

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