



Anti-CLCN1 monoclonal antibody (DCABH-11030)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | 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). |
| Immunogen | A synthetic peptide of human CLCN1 is used for rabbit immunization. |
| Isotype | IgG |
| Source/Host | Rabbit |
| Species Reactivity | Human |
| Purification | Protein A |
| Conjugate | Unconjugated |
| Applications | Western Blot (Transfected lysate); ELISA |
| Buffer | In 1x PBS, pH 7.4 |
| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | CLCN1 chloride channel, voltage-sensitive 1 [Homo sapiens] |
| Official Symbol | CLCN1 |
| Synonyms | CLCN1; chloride channel, voltage-sensitive 1; chloride channel 1, skeletal muscle; chloride channel protein 1; CIC 1; CLC1; Thomsen disease; autosomal dominant; cIC-1; chloride channel protein, skeletal muscle; MGC138361; MGC142055; |
| Entrez Gene ID | 1180 |
| Protein Refseq | NP_000074 |
| UniProt ID | P35523 |
| Chromosome Location | 7q12 |
| Function | chloride channel activity; voltage-gated chloride channel activity; voltage-gated ion channel activity; |