abcam

Product datasheet

Anti-CLCN1 antibody - C-terminal ab189857

4 References 2 Images

Overview

Product name	Anti-CLCN1 antibody - C-terminal
Description	Rabbit polyclonal to CLCN1 - C-terminal
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Mouse, Human
Immunogen	Recombinant fragment within Human CLCN1 (C terminal). The exact sequence is proprietary. Database link: **P35523**
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab189857 in the following tested applications.

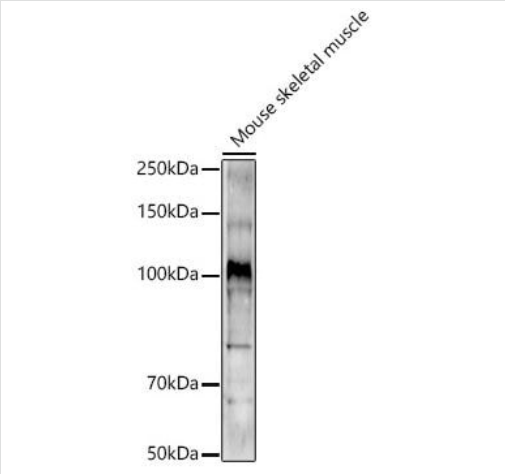
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 109 kDa.

Target

Function	Voltage-gated chloride channel. Chloride channels have several functions including the regulation of cell volume; membrane potential stabilization, signal transduction and transepithelial transport.
Tissue specificity	Predominantly expressed in skeletal muscles.
Involvement in disease	Defects in CLCN1 are the cause of Thomsen disease (THD) [MIM:160800]; also known as autosomal dominant myotonia congenita (MCD). THD 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. Defects in CLCN1 are the cause of autosomal recessive myotonia congenita (MCR) [MIM:255700]; also known as Becker disease.
Sequence similarities	Belongs to the chloride channel (TC 2.A.49) family. ClC-1/CLCN1 subfamily. Contains 2 CBS domains.
Cellular localization	Membrane.

Images



Western blot - Anti-CLCN1 antibody - C-terminal (ab189857)

Anti-CLCN1 antibody - C-terminal (ab189857) + Mouse skeletal muscle extracts at 25 µg

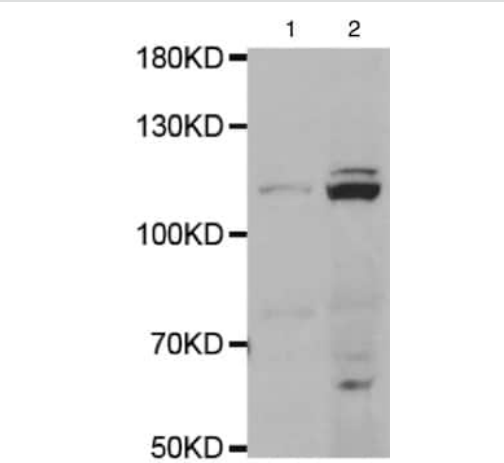
Secondary
HRP Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

Predicted band size: 109 kDa

Exposure time: 180 seconds

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit.



Western blot - Anti-CLCN1 antibody - C-terminal (ab189857)

All lanes : Anti-CLCN1 antibody - C-terminal (ab189857) at 1/500 dilution

Lane 1 : 293T cell extract
Lane 2 : Mouse liver tissue extract

Predicted band size: 109 kDa

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