

Product datasheet

Anti-MLC1 antibody [EPR10942(2)] - N-terminal ab186436

Recombinant RabMAb

[1 References](#) [3 Images](#)

Overview

Product name	Anti-MLC1 antibody [EPR10942(2)] - N-terminal
Description	Rabbit monoclonal [EPR10942(2)] to MLC1 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human hypothalamus and hippocampus lysates.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR10942(2)
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab186436 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		1/1000 - 1/10000. Detects a band of approximately 32 kDa (predicted molecular weight: 41 kDa).

Target

Function

Regulates the response of astrocytes to hypo-osmosis by promoting calcium influx.

Tissue specificity

Expressed in the brain, with highest levels found in the amygdala, nucleus caudatus, thalamus and hippocampus.

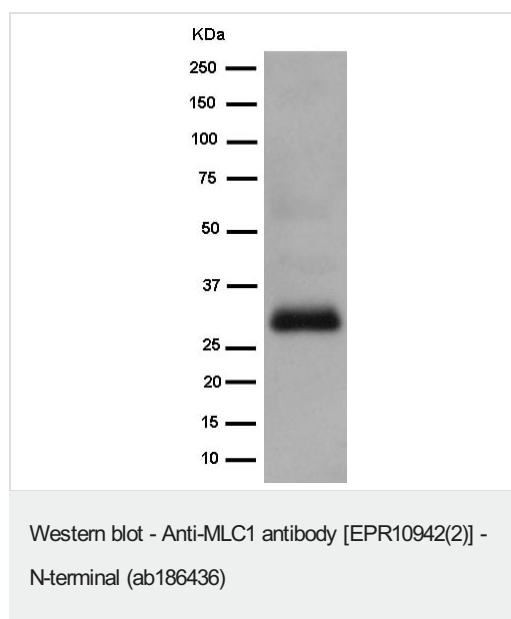
Involvement in disease

Leukoencephalopathy, megalencephalic, with subcortical cysts, 1

Cellular localization

Membrane. Cell membrane. Cytoplasm, perinuclear region. Endoplasmic reticulum.

Images



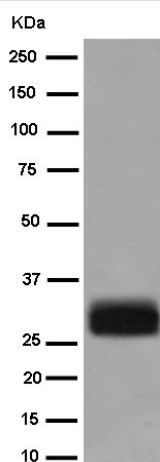
Anti-MLC1 antibody [EPR10942(2)] - N-terminal (ab186436) at 1/10000 dilution + Human hypothalamus lysate at 20 µg

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 41 kDa

The observed MW is lower than the predicted 41kDa, which may be due to the high hydrophobicity of the protein.



Western blot - Anti-MLC1 antibody [EPR10942(2)] - N-terminal (ab186436)

Anti-MLC1 antibody [EPR10942(2)] - N-terminal (ab186436) at 1/1000 dilution + Human hippocampus lysate at 10 µg

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 41 kDa

The observed MW is lower than the predicted 41kDa, which may be due to the high hydrophobicity of the protein.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-MLC1 antibody [EPR10942(2)] - N-terminal (ab186436)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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