

Product datasheet

Anti-MLC1 antibody [EPR10942(2)] - BSA and Azide free ab250888

Recombinant RabMAb

3 Images

Overview

Product name	Anti-MLC1 antibody [EPR10942(2)] - BSA and Azide free
Description	Rabbit monoclonal [EPR10942(2)] to MLC1 - BSA and Azide free
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.
General notes	<p>ab250888 is the carrier-free version of ab186436.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Clonality	Monoclonal
Clone number	EPR10942(2)
Isotype	IgG

Applications

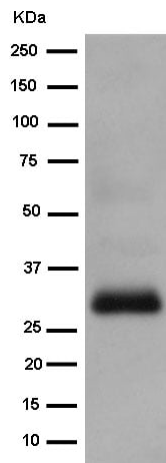
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab250888 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. 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



Western blot - Anti-MLC1 antibody [EPR10942(2)] - BSA and Azide free (ab250888)

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

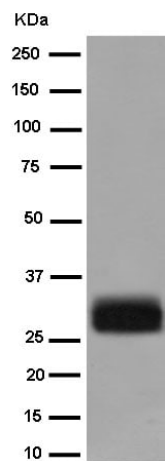
Secondary

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

Predicted band size: 41 kDa

This data was developed using [ab186436](#), the same antibody clone in a different buffer formulation.

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)] - BSA and Azide free (ab250888)

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

Secondary

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

Predicted band size: 41 kDa

This data was developed using [ab186436](#), the same antibody clone in a different buffer formulation.

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)] - BSA and Azide free (ab250888)

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

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