

Product datasheet

Anti-MLC1 antibody ab94730

★★★★★ 1 Abreviews 3 图像

概述

产品名称	Anti-MLC1抗体
描述	兔多克隆抗体to MLC1
经测试应用	适用于: ICC/IF, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Horse, Guinea pig, Cow, Dog
免疫原	Synthetic peptide corresponding to a region within internal amino acids 180 - 229 (DSANILDEVP FPARVLKSYS VVEVIAGISA VLGGIILNV DDSVSGPHLS) of Human MLC1 (NP_055981). Run BLAST with ExPASy Run BLAST with NCBI
阳性对照	Fetal spleen lysate

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: 2% Sucrose, PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab94730** in the following tested applications.

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

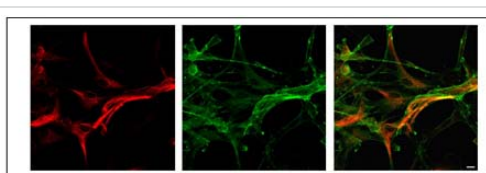
应用	Ab评论	说明
ICC/IF		Use at an assay dependent concentration.

应用	Ab评论	说明
WB	★★★★★	Use a concentration of 1 µg/ml. Predicted molecular weight: 41 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

靶标

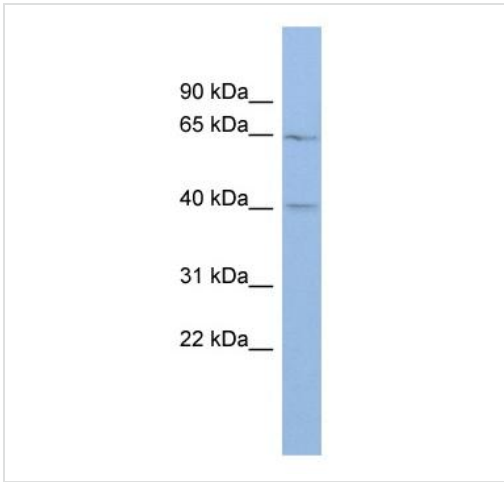
功能	Regulates the response of astrocytes to hypo-osmosis by promoting calcium influx.
组织特异性	Expressed in the brain, with highest levels found in the amygdala, nucleus caudatus, thalamus and hippocampus.
疾病相关	Leukoencephalopathy, megalencephalic, with subcortical cysts, 1
细胞定位	Membrane. Cell membrane. Cytoplasm, perinuclear region. Endoplasmic reticulum.

图片



Immunocytochemistry/ Immunofluorescence - Anti-MLC1 antibody (ab94730)

ab94730 staining MLC1 in primary Rat cortical astrocytes by Immunocytochemistry/ Immunofluorescence. Cells were fixed with 4% paraformaldehyde. After 1 hour of incubation with blocking solution (5% BSA in PBS), cells were incubated for 1 hour at room temperature with a NBD phalloidin high-affinity F-actin probe (1/30) to stain actin filaments and visualize the whole cell body, used in combination with ab94730 (1/50) diluted in PBS+0.2% Triton X100. To amplify MLC1 staining, a biotinylated secondary antibody (4.3 µg/ml, Biotin-SP-AffiniPure goat anti-rabbit IgG H+L) followed by incubation with 2 µg/ml streptavidin-TRITC was used.



Western blot - MLC1 antibody (ab94730)

Anti-MLC1 antibody (ab94730) at 1 µg/ml (in 5% skim milk / PBS buffer) + Human fetal spleen lysate at 10 µg

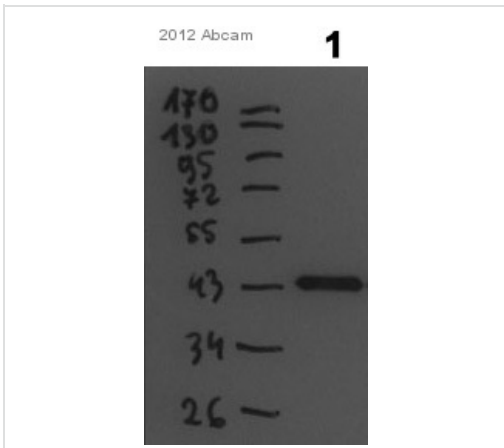
Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

Predicted band size : 41 kDa

Gel concentration: 12%

Secondary antibody - [anti-rabbit HRP \(ab6721\)](#)



Western blot - Anti-MLC1 antibody (ab94730)

This image is courtesy of an anonymous Abreview

Anti-MLC1 antibody (ab94730) at 1/500 dilution + Mouse brain tissue lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab6721](#)) at 1/5000 dilution

Developed using the ECL technique

Performed under reducing conditions.

Predicted band size : 41 kDa

Observed band size : 43 kDa

Exposure time : 1 minute

This image is courtesy of an anonymous Abreview

Blocked with 5% Milk for 1 hour at 25°C.

Secondary antibody - [anti-rabbit HRP \(ab6721\)](#)

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors