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Product datasheet

Anti-Myoferlin antibody [7D2] ab76746

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概述

产品名称	Anti-Myoferlin抗体[7D2]
描述	**小鼠单克隆抗体**[7D2] to Myoferlin
宿主	Mouse
经测试应用	**适用于:** ICC/IF, Flow Cyt
种属反应性	**与反应:** Human **预测可用于:** Mouse
免疫原	Synthetic peptide corresponding to Human Myoferlin (N terminal). Database link: **Q9NZM1**
常规说明	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

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	Constituents: 1.21% Tris, 0.75% Glycine, 2% Sucrose
纯度	Protein A purified
克隆	单克隆
克隆编号	7D2
同种型	IgG2a
轻链类型	kappa

应用

The Abpromise guarantee Abpromise™承诺保证使用ab76746于以下的经测试应用

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF		Use a concentration of 5 µg/ml.
Flow Cyt	★★★☆☆ (1)	1/100. **ab170191** - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

靶标

功能 Calcium/phospholipid-binding protein that plays a role in the plasmalemma repair mechanism of endothelial cells that permits rapid resealing of membranes disrupted by mechanical stress. Involved in endocytic recycling. Implicated in VEGF signal transduction by regulating the levels of the receptor KDR.

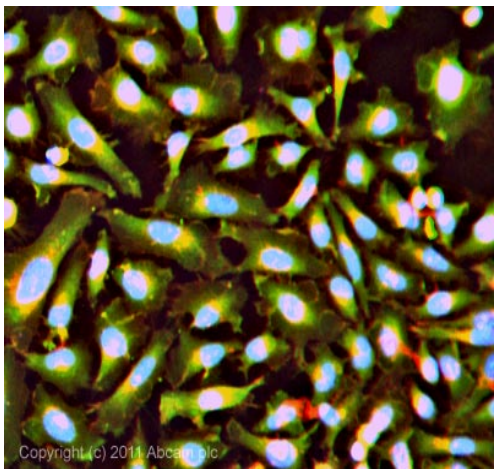
组织特异性 Expressed in myoblast and endothelial cells (at protein level). Highly expressed in cardiac and skeletal muscles. Also present in lung, and at very low levels in kidney, placenta and brain.

序列相似性 Belongs to the ferlin family.
Contains 5 C2 domains.

结构域 The C2 domain 1 associates with lipid membranes in a calcium-dependent manner.

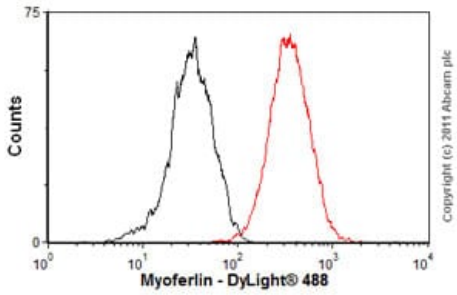
细胞定位 Cell membrane. Nucleus membrane. Cytoplasmic vesicle membrane. Concentrated at the membrane sites of both myoblast-myoblast and myoblast-myotube fusions. Detected at the plasmalemma in endothelial cells lining intact blood vessels (By similarity). Found at nuclear and plasma membranes. Enriched in undifferentiated myoblasts near the plasma membrane in puncate structures.

图片



Immunocytochemistry/ Immunofluorescence - Anti-Myoferlin antibody [7D2] (ab76746)

ICC/IF image of ab76746 stained HeLa cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab76746, 5µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96879**, DyLight® 488 goat anti-mouse IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Flow Cytometry - Anti-Myoferlin antibody [7D2] (ab76746)

Overlay histogram showing HeLa cells stained with ab76746 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab76746, 1/100 dilution) for 30 min at 22ºC. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 min at 22ºC. Isotype control antibody (black line) was mouse IgG2a [ICIGG2A] (**ab91361**, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.

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