


Anti-Drebrin antibody [mAbcam60932] ab60932

敲除验证

★★★★★ [4 Abreviews](#) [3 References](#) [4 图像](#)

概述

产品名称	Anti-Drebrin抗体[mAbcam60932]
描述	小鼠单克隆抗体[mAbcam60932] to Drebrin
宿主	Mouse
经测试应用	适用于: WB, Flow Cyt (Intra)
种属反应性	与反应: Rat, Human 预测可用于: Mouse, Chicken, Quail 
免疫原	Recombinant fragment corresponding to Human Drebrin aa 450-600. (Peptide available as ab104801)
阳性对照	This antibody gave a positive signal in HeLa, SHSY-5Y and MALME-3M whole cell lysates, and in the following tissue lysates: Human Cortex, Rat Cortex, Rat Hippocampus, Human Melanoma. Flow Cyt (Intra): SHSY-5Y cells
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>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.</p> <p>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</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 6.97% L-Arginine
纯度	Protein G purified

克隆	单克隆
克隆编号	mAbcam60932
骨髓瘤	Sp2/0-Ag14
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab60932于以下的经测试应用

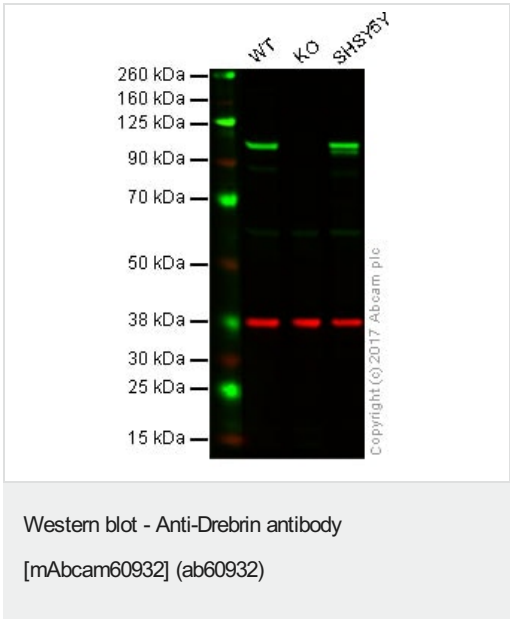
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		Use a concentration of 5 µg/ml. Detects a band of approximately 110 kDa (predicted molecular weight: 120 kDa).
Flow Cyt (Intra)		Use 1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

靶标

功能	Drebrins might play some role in cell migration, extension of neuronal processes and plasticity of dendrites, respectively.
组织特异性	Brain neurons. Also found in the heart, placenta, skeletal muscle, kidney and pancreas.
序列相似性	Contains 1 ADF-H domain.
细胞定位	Cytoplasm.

图片



Lane 1: Wild-type HAP1 whole cell lysate (20 µg)

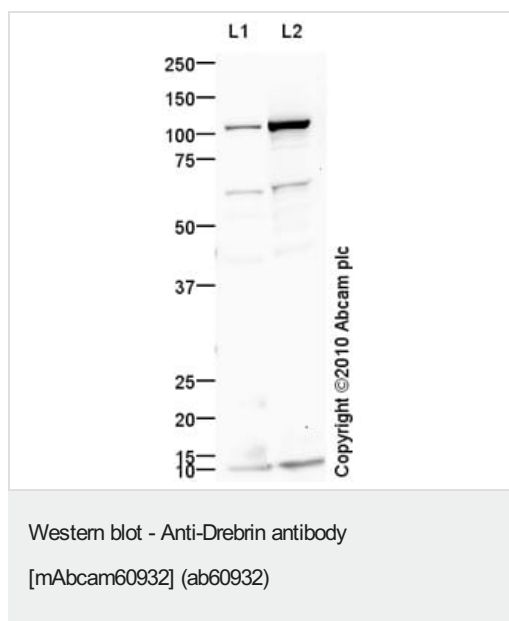
Lane 2: Drebrin knockout HAP1 whole cell lysate (20 µg)

Lane 3: SH-SY5Y whole cell lysate (20 µg)

Lanes 1 - 3: Merged signal (red and green). Green - ab60932 observed at 120 kDa. Red - loading control, **ab181602**, observed at 37 kDa.

ab60932 was shown to specifically react with Drebrin in wild-type cells as signal was lost in Drebrin knockout cells. Wild-type and Drebrin knockout samples were subjected to SDS-PAGE. Ab60932 and **ab181602** (Rabbit anti-GAPDH loading control) were incubated overnight at 4°C at 5 µg/ml and 1/20000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed **ab216772** and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed **ab216777** secondary

antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



All lanes : Anti-Drebrin antibody [mAbcam60932] (ab60932) at 10 µg/ml

Lane 1 : HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lane 2 : SHSY-5Y (Human neuroblastoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

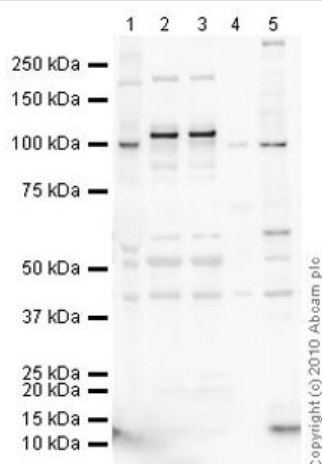
Predicted band size: 120 kDa

Observed band size: 110 kDa

Additional bands at: 10 kDa, 65 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 8 minutes

Ab60932 detects a band around 110-kDa. While this differs to its predicted molecular weight of 71-kDa, it is consistent with what has been described in the literature(PMID:10604653).



Western blot - Anti-Drebrin antibody
[mAbcam60932] (ab60932)

All lanes : Anti-Drebrin antibody [mAbcam60932] (ab60932) at 10 μ g/ml

Lane 1 : Human Cortex Neuronal cell lysate

Lane 2 : Rat Cortex Neuronal cell lysate

Lane 3 : Rat Hippocampus Tissue Lysate

Lane 4 : Human skin tumor tissue lysate (melanoma) - total protein
([ab29339](#))

Lane 5 : Malme 3M (Human melanoma cells) Whole Cell Lysate

Lysates/proteins at 10 μ g per lane.

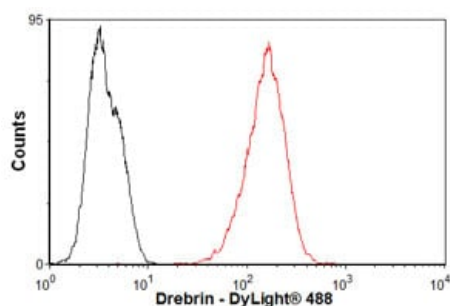
Secondary

All lanes : Goat Anti-Mouse IgG H&L (HRP) preadsorbed
([ab97040](#)) at 1/5000 dilution

Predicted band size: 120 kDa

Observed band size: 100,120 kDa

Additional bands at: 200 kDa, 45 kDa, 50 kDa, 60 kDa. We are unsure as to the identity of these extra bands.



Flow Cytometry (Intracellular) - Anti-Drebrin antibody
[mAbcam60932] (ab60932)

Overlay histogram showing SHSY-5Y cells stained with ab60932 (red line). The cells were fixed with 4% paraformaldehyde (10 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 (ab60932, 1 μ g/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 1 μ g/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal

in SHSY-5Y cells fixed with 80% methanol (5 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

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