


Anti-pan Cadherin antibody [mAbcam22744] ab22744

★★★★★ [13 Abreviews](#) [21 References](#) [6 图像](#)

概述

产品名称	Anti-pan Cadherin抗体[mAbcam22744]
描述	小鼠单克隆抗体[mAbcam22744] to pan Cadherin
宿主	Mouse
特异性	Detects a weaker band in human heart than in rat heart.
经测试应用	适用于: ICC/IF, WB 不适用于: Flow Cyt
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Chicken, Dog, Xenopus laevis, Monkey, Zebrafish, African green monkey 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
常规说明	<p>This product is useful for the detection of members of the cadherin family or genetically engineered proteins containing the C-terminal cadherin tail, and for demonstration of adherens type cell-cell junctions regardless of their cadherin type.</p> <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). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.50</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 6.97% L-Arginine</p>

纯度	IgG fraction
Primary antibody说明	This product is useful for the detection of members of the cadherin family or genetically engineered proteins containing the C-terminal cadherin tail, and for demonstration of adherens type cell-cell junctions regardless of their cadherin type.
克隆	单克隆
克隆编号	mAbcam22744
骨髓瘤	Sp2/0-Ag14
同种型	IgG1
轻链类型	kappa

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab22744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	★★★★☆ (4)	Use a concentration of 5 µg/ml.
WB	★★★★★ (6)	1/1000. Detects a band of approximately 125-140 kDa (predicted molecular weight: 125 kDa). Abcam recommends using 3-5% milk as the blocking agent. Please see Western Blot data below.

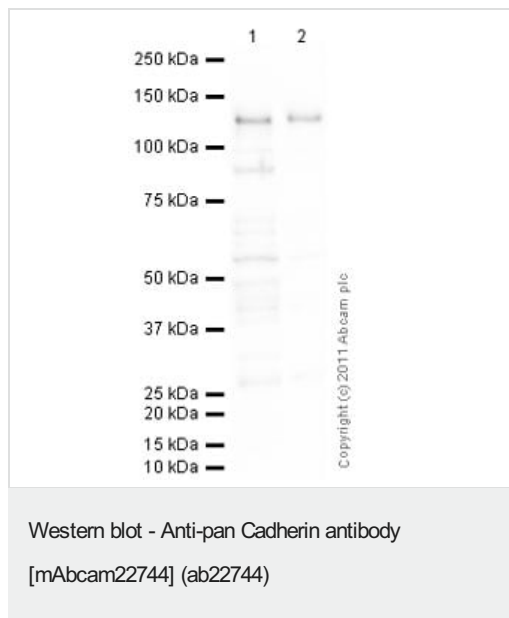
应用说明 Is unsuitable for Flow Cyt.

靶标

相关性

Cadherins are members of a multigene family of single chain glycoprotein receptors mediating calcium dependent cell-cell adhesion. They play an important role in the growth and development of cells via the mechanisms of control of tissue architecture and the maintenance of tissue integrity. Cadherins are expressed in a tissue specific manner and and are required for assembly of cells into solid tissue. Individual cadherin molecules are known to co-operate with each other to form a linear cell adhesion zipper. In adhesion junctions cadherins are bound to beta and gamma catenins which in turn bind to alpha catenin, an actin binding protein. Cadherins play an important part in tumor invasion and metastasis.

图片



Lane 1 : Anti-pan Cadherin antibody [mAbcam22744] (ab22744) at 1 µg/ml (Blocked in 5% BSA)

Lane 2 : Anti-pan Cadherin antibody [mAbcam22744] (ab22744) at 1 µg/ml (Blocked in 5% Milk)

All lanes : Heart (Rat) Tissue Lysate

Lysates/proteins at 20 µg per lane.

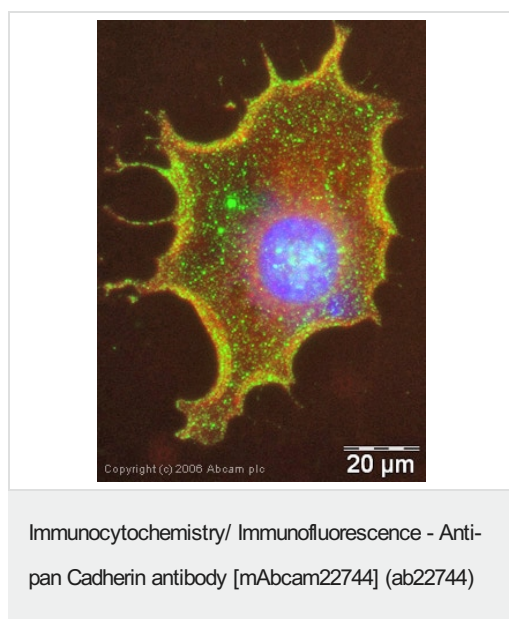
Secondary

All lanes : Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) ([ab65485](#)) at 1/3000 dilution

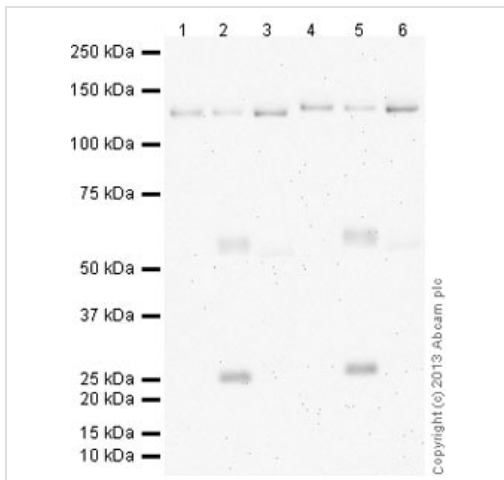
Performed under reducing conditions.

Predicted band size: 125 kDa

Exposure time: 30 seconds



ICC/IF image of ab22744 stained human HeLa cells. The cells were methanol fixed (5 min) and incubated with the antibody (ab22744, 5µg/ml) for 1h at room temperature. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Image-iT™ FX Signal Enhancer was used as the primary blocking agent, 5% BSA (in TBS-T) was used for all other blocking steps. DAPI was used to stain the cell nuclei (blue). Alexa Fluor® 594 phalloidin was used to label F-actin (red).



Western blot - Anti-pan Cadherin antibody
[mAbcam22744] (ab22744)

All lanes : Anti-pan Cadherin antibody [mAbcam22744] (ab22744)
at 1 µg/ml

Lane 1 : Heart (Rat) Tissue Lysate (blocked with 5% Milk)

Lane 2 : Heart (Mouse) Tissue Lysate (blocked with 5% Milk)

Lane 3 : Heart (Human) Tissue Lysate - adult normal tissue
(blocked with 5% Milk)

Lane 4 : Heart (Rat) Tissue Lysate (blocked with 3% Milk)

Lane 5 : Heart (Mouse) Tissue Lysate (blocked with 3% Milk)

Lane 6 : Heart (Human) Tissue Lysate - adult normal tissue
(blocked with 3% Milk)

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Mouse IgG H&L (HRP) preadsorbed
([ab97040](#)) at 1/10000 dilution

Developed using the ECL technique.

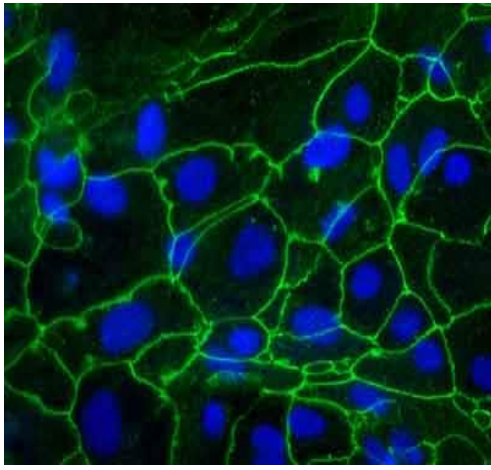
Performed under reducing conditions.

Predicted band size: 125 kDa

Observed band size: 125 kDa

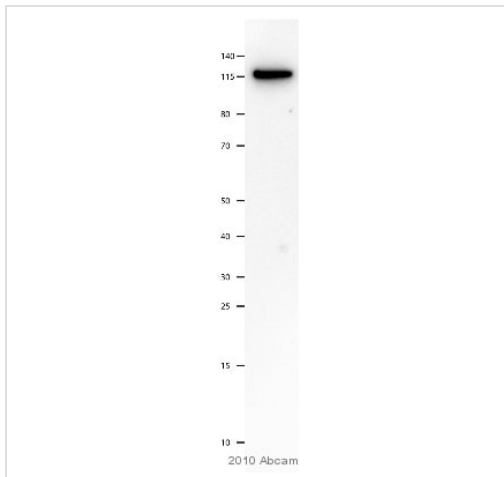
Additional bands at: 25 kDa, 58 kDa. We are unsure as to the
identity of these extra bands.

Exposure time: 8 minutes



Immunocytochemistry/ Immunofluorescence - Anti-pan Cadherin antibody [mAbcam22744] (ab22744)
Image courtesy of an anonymous Abreview.

ab22744 staining pan Cadherin in mixed glia prepared from mouse brain by Immunocytochemistry/ Immunofluorescence. The cells were fixed in methanol, permeabilised in 0.5% (w/v) saponin and then blocked using 10% serum for 2 hours at 23°C. Samples were then incubated with primary antibody at 1/100 for 2 hours at 23°C. The secondary antibody used was a goat anti-mouse IgG conjugated to Alexa Fluor® 488 (green) used at a 1/400 dilution. Counterstained with DAPI (blue).



Western blot - Anti-pan Cadherin antibody [mAbcam22744] (ab22744)
This image is courtesy of an Anonymous abreview.

Anti-pan Cadherin antibody [mAbcam22744] (ab22744) at 1/500 dilution + Mouse cultured cortical neurons at 20 µg

Secondary

HRP-conjugated Goat Anti-Mouse IgG (H+L) polyclonal at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

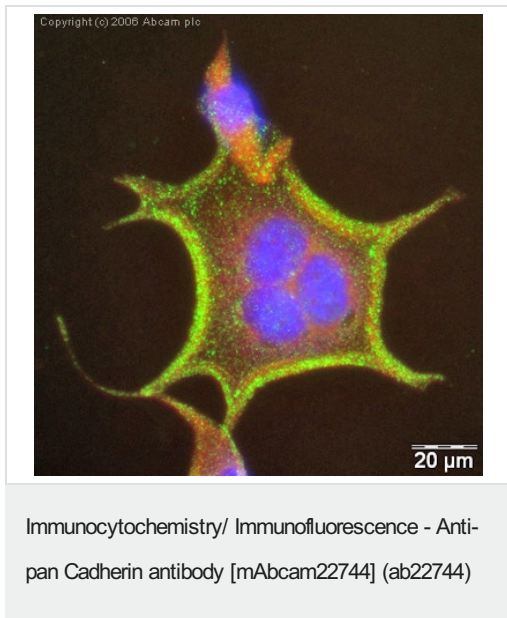
Predicted band size: 125 kDa

Exposure time: 1 minute

Blocking performed with 5% milk for 1 hour.

Primary diluted with PBS + 0.5% Tween20 and incubated for 12 hours at 4°C

Performed under denaturing conditions.



ICC/IF image of ab22744 stained human HeLa cells. The cells were methanol fixed (5 min) and incubated with the antibody (ab22744, 5μg/ml) for 1h at room temperature. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. Image-iT™ FX Signal Enhancer was used as the primary blocking agent, 5% BSA (in TBS-T) was used for all other blocking steps. DAPI was used to stain the cell nuclei (blue). Alexa Fluor® 594 phalloidin was used to label F-actin (red).

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