abcam

Product datasheet

Anti-pan Cadherin antibody [mAbcam22744] ab22744

13 Abreviews 21 References 画像数 6

製品の概要

製品名	Anti-pan Cadherin antibody [mAbcam22744]
製品の詳細	Mouse monoclonal [mAbcam22744] to pan Cadherin
由来種	Mouse
特異性	Detects a weaker band in human heart than in rat heart.
アプリケーション	**適用あり:** ICC/IF, WB **適用なし:** Flow Cyt
種交差性	**交差種:** Mouse, Rat, Human **交差が予測される動物種:** Chicken, Dog, Xenopus laevis, Monkey, Zebrafish, African green monkey
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
特記事項	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. This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact **orders@abcam.com**. 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

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.50 Preservative: 0.02% Sodium azide Constituents: PBS, 6.97% L-Arginine

精製度	IgG fraction
一次抗体 備考	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.
ポリ/モノ	モノクローナル
クローン名	mAbcam22744
ミエローマ	Sp2/0-Ag14
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab22744の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

追加情報 Is unsuitable for Flow Cyt.

ターゲット情報

関連性 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.

画像

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

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

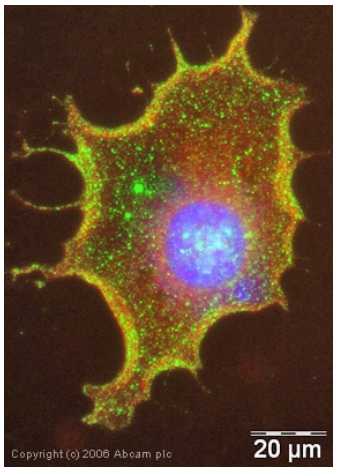
Lysates/proteins at 20 µg per lane.

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

Performed under reducing conditions.

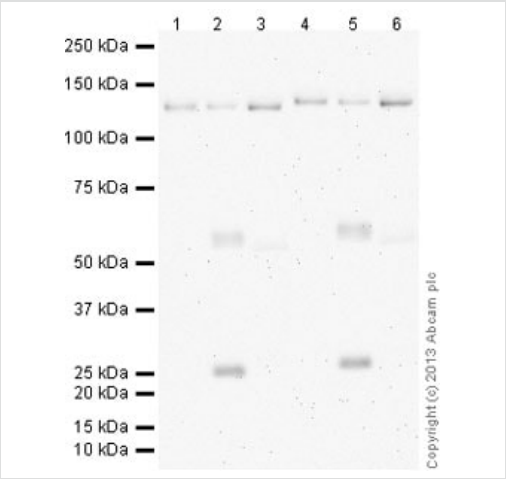
Predicted band size: 125 kDa

Exposure time: 30 seconds



Immunocytochemistry/ Immunofluorescence - Anti-pan Cadherin antibody [mAbcam22744] (ab22744)

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^{TM} 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.

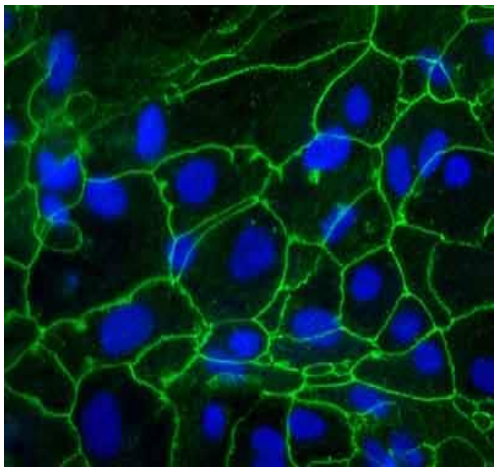
Secondary
All lanes : Goat Anti-Mouse IgG H&L (HRP) preadsorbed (**ab97040**) at 1/10000 dilution

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.

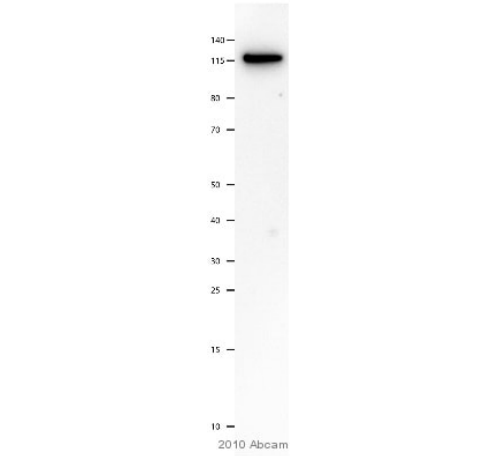
Exposure time: 8 minutes



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

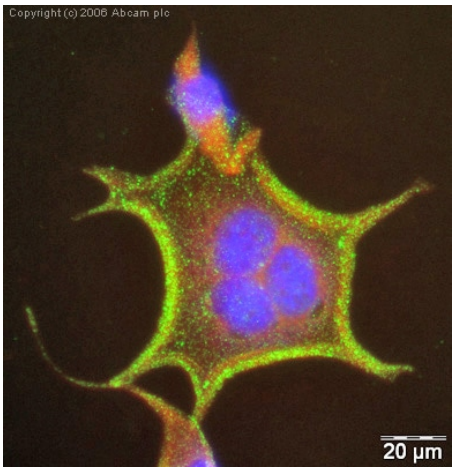
Developed using the ECL technique.

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.



Immunocytochemistry/ Immunofluorescence - Anti-pan Cadherin antibody [mAbcam22744] (ab22744)

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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