abcam

Product datasheet

Anti-N Cadherin antibody [5D5] - Intercellular Junction Marker ab98952

5 Abreviews 146 References 6 图像

概述

产品名称	Anti-N Cadherin抗体[5D5] - Intercellular Junction Marker
描述	小鼠单克隆抗体[5D5] to N Cadherin - Intercellular Junction Marker
宿主	Mouse
经测试应用	**适用于:** Flow Cyt, WB, IHC-P, ICC/IF
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Recombinant fragment corresponding to Human N Cadherin.
阳性对照	A431, NIH-3T3, Hela, C6 and LNCap cells. Human lung cancer, colon cancer, ovarian cancer and mammary cancer tissue.
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	Preservative: 0.05% Sodium azide Constituent: PBS
纯度	Protein G purified
纯化说明	Purified from tissue culture supernatant.
克隆	单克隆
克隆编号	5D5
同种型	IgG1

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab98952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
Flow Cyt		1/100. **ab170190** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		1/500 - 1/2000. Predicted molecular weight: 100 kDa.
IHC-P	★★★★★ (1)	1/200 - 1/1000.
ICC/IF	★★★★★ (2)	1/200 - 1/1000.

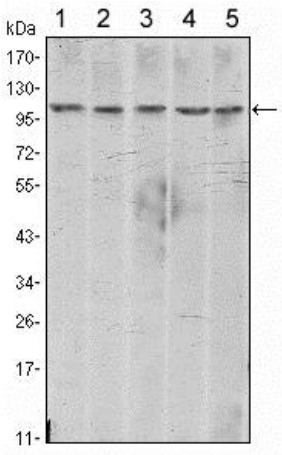
靶标

功能 Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH2 may be involved in neuronal recognition mechanism. In hippocampal neurons, may regulate dendritic spine density.

序列相似性 Contains 5 cadherin domains.

细胞定位 Cell membrane.

图片



Western blot - Anti-N Cadherin antibody [5D5] - Intercellular Junction Marker (ab98952)

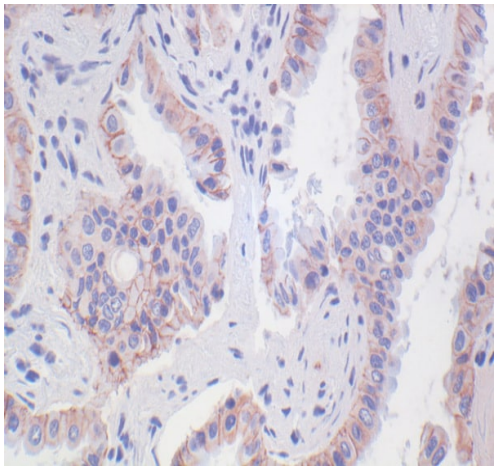
All lanes : Anti-N Cadherin antibody [5D5] - Intercellular Junction Marker (ab98952) at 1/500 dilution

Lane 1 : A431 cell lysate
Lane 2 : NIH-3T3 cell lysate
Lane 3 : HeLa cell lysate
Lane 4 : C6 cell lysate
Lane 5 : LNCap cell lysate

Lysates/proteins at 15 µl per lane.

Secondary
All lanes : HRP-Goat Anti-Mouse Igg (Fc) at 1/10000 dilution

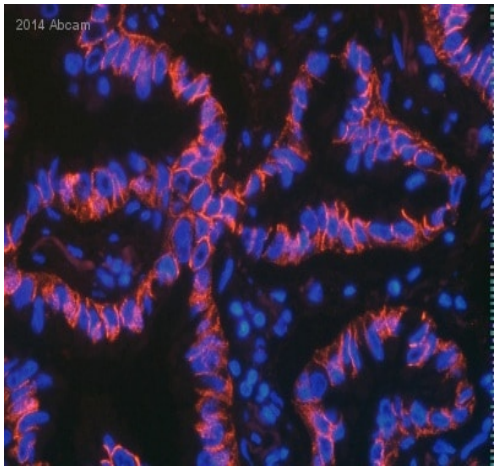
Predicted band size: 100 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-N Cadherin antibody [5D5] - Intercellular Junction Marker (ab98952)

This image is courtesy of an anonymous Abreview

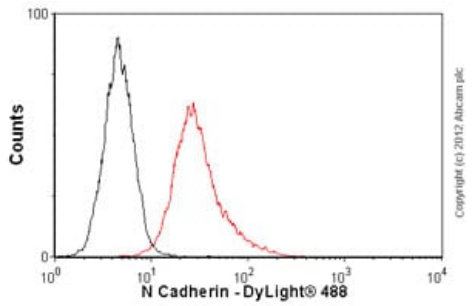
ab98952 staining N Cadherin in human NSCLC tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with using HOPE technique and blocked for 5 minutes at 25°C. Samples were incubated with primary antibody (1/200) for 1 hour at 25°C. An undiluted HRP-conjugated goat anti-mouse IgG polyclonal was used as the secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-N Cadherin antibody [5D5] - Intercellular Junction Marker (ab98952)

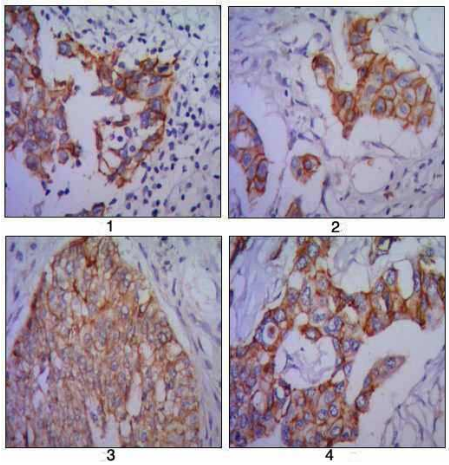
This image is courtesy of an anonymous Abreview

ab98952 staining N Cadherin in paraffin-embedded human lung cancer tissue by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with HOPE and blocked. Samples were incubated with primary antibody (1/200) for 1 hour at 25°C. A TRITC-conjugated goat anti-mouse IgG polyclonal (1/200) was used as the secondary antibody.



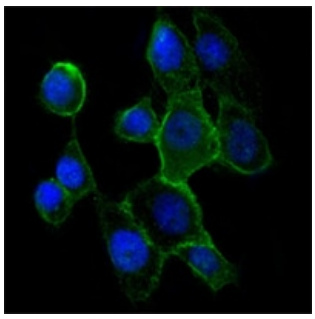
Flow Cytometry - Anti-N Cadherin antibody [5D5] - Intercellular Junction Marker (ab98952)

Overlay histogram showing HeLa cells stained with ab98952 (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 (ab98952, 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 IgG1 [ICIGG1] (**ab91353**, 2µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-N Cadherin antibody [5D5] - Intercellular Junction Marker (ab98952)

Immunohistochemical analysis of paraffin-embedded Human lung cancer (1), colon cancer (2), ovarian cancer (3) and mammary cancer (4), using ab98952 at 1/200 dilution with DAB staining.



Immunocytochemistry/ Immunofluorescence - Anti-N Cadherin antibody [5D5] - Intercellular Junction Marker (ab98952)

Immunofluorescence analysis of A431 cells using ab98952 at 1/200 dilution (green). Blue: DRAQ5 fluorescent DNA dye

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