

Product datasheet

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

★★★★★ [5 Abreviews](#) [146 References](#) [6 Images](#)

Overview

Product name	Anti-N Cadherin antibody [5D5] - Intercellular Junction Marker
Description	Mouse monoclonal [5D5] to N Cadherin - Intercellular Junction Marker
Host species	Mouse
Tested applications	Suitable for: Flow Cyt, WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Recombinant fragment corresponding to Human N Cadherin.
Positive control	A431, NIH-3T3, Hela, C6 and LNCap cells. Human lung cancer, colon cancer, ovarian cancer and mammary cancer tissue.
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: PBS
Purity	Protein G purified
Purification notes	Purified from tissue culture supernatant.
Clonality	Monoclonal
Clone number	5D5
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab98952 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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.

Target

Function

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.

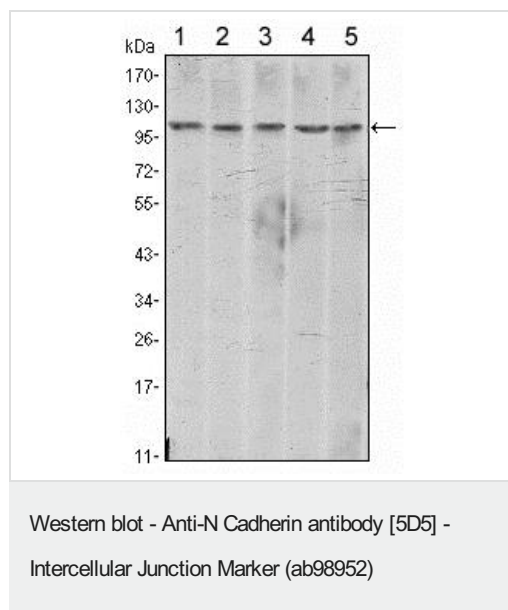
Sequence similarities

Contains 5 cadherin domains.

Cellular localization

Cell membrane.

Images



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

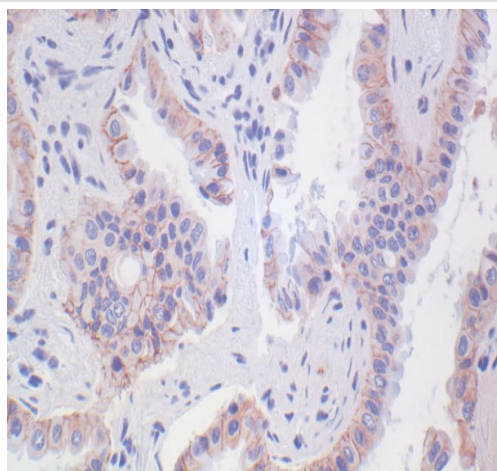
Lane 5 : LNCap cell lysate

Lysates/proteins at 15 µl per lane.

Secondary

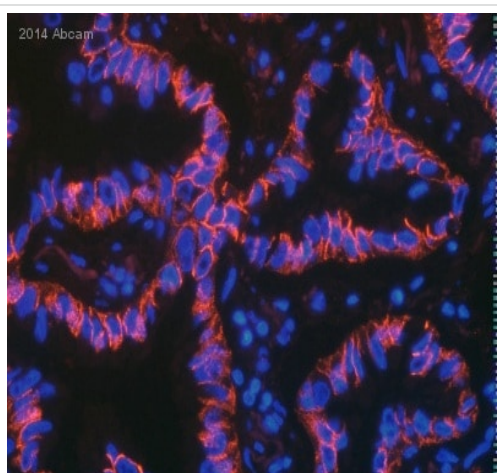
All lanes : HRP-Goat Anti-Mouse IgG (Fc) at 1/10000 dilution

Predicted band size: 100 kDa



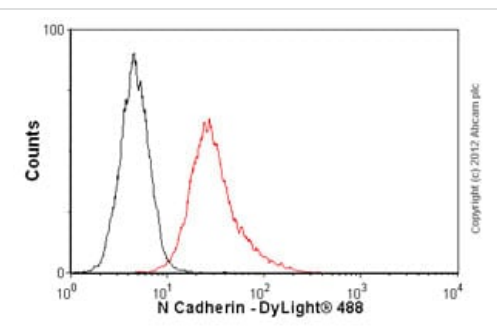
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-N Cadherin antibody [5D5] - Intercellular Junction Marker (ab98952)
This image is courtesy of an anonymous Abreview

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.



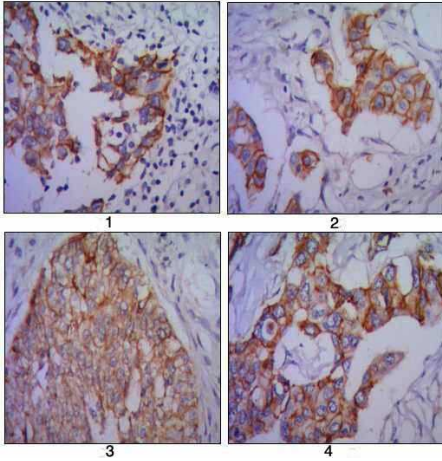
Immunocytochemistry/ Immunofluorescence - Anti-N Cadherin antibody [5D5] - Intercellular Junction Marker (ab98952)
This image is courtesy of an anonymous Abreview

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.



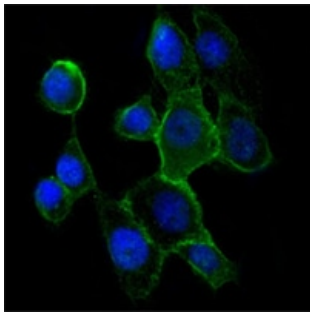
Flow Cytometry - Anti-N Cadherin antibody [5D5] - Intercellular Junction Marker (ab98952)

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 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 [CIGG1] (**ab91353**, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.



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.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - 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

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

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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