Product datasheet

Anti-N-Cadherin/CDH2 Antibody

Catalog Number: *A01577-3*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-N-Cadherin/CDH2 Antibody
Gene Name	CDH2
Source	Rabbit
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, IF, FCM, ELISA
Contents	500 ug/ml antibody with PBS， 0.02% NaN3 , 1mg BSA
Immunogen	E.coli-derived human N Cadherin/CDH2 recombinant protein (Position: E170-E266).
concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	140KD
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section IHC 1:50-400 Immunofluorescence (IF) : 1:50-400 Flow cytometry (FCM): 1-3 µg/1x10^6 cells ELISA: 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

N-cadherin (NCAD) is a member of the cadherin cell-cell adhesion receptor family that includes P-, E-, and R-cadherin and liver cell adhesion molecule (L-CAM). N-Cadherin,, also known as Cadherin-2, encodes a 907-amino acid protein that includes a 159-amino acid signal sequence. Human and mouse nucleotide sequences are 96% identical. Mouse Ncad gene consists of 16 exons dispersed over more than 200 kb of genomic DNA. Human N-cadherin gene contains 16 exons and its sequence is highly similar to both the mouse NCAD gene (including the large first and second introns) and other cadherin genes. N-cadherin is mapped to 18q11.2. Cadherin regulates dendritic spine morphogenesis.

Reference

Anti-N-Cadherin/CDH2 Antibody 被引用在3文献中。

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Selected Validation Data

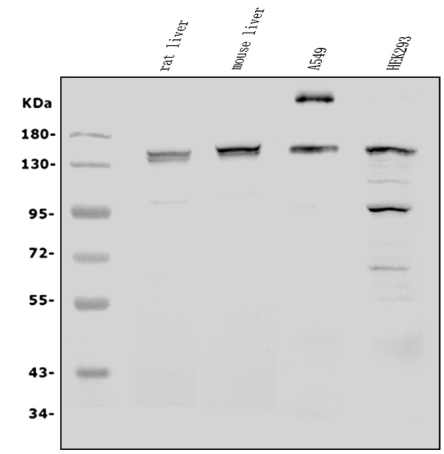

Figure 1. Western blot analysis of anti-CDH2 antibody (A01577-3). The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: Rat liver tissue lysates,Lane 2: Mouse liver tissue lysates, Lane 3: human A549 whole cell lysates,Lane 4: human HEK293 whole cell lysates,Use rabbit anti- CDH2 1:1000, probed with a goat anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for CDH2 at approximately 140KD. The expected band size for CDH2 is at 100KD.

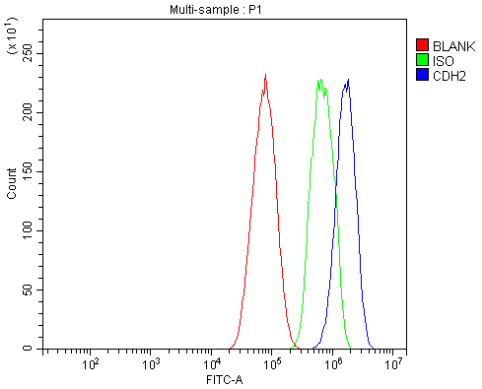

Figure 2. Flow cytometry analysis of HEPG2 cell (1x106) DyLight 488 conjugated goat anti- rabbit IgG(blue) was used as secondary antibody.Isotype control antibody (Green line) was rabbit IgG DyLight 488. Unlabelled sample (Red line).

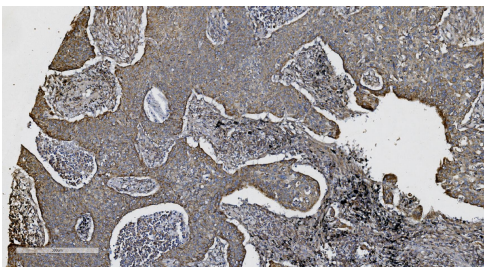

Figure 3. IHC analysis using anti- N-Cadherin/CDH2 antibody (A01577-3). detected in paraffin-embedded section of human liver cancer tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

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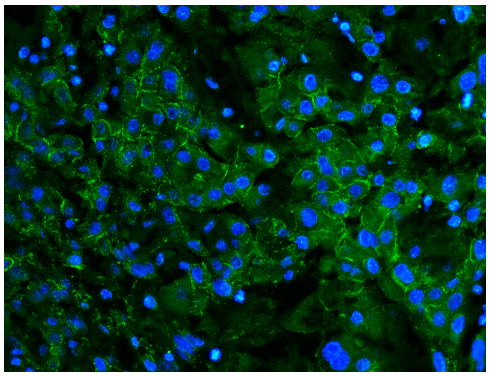

Figure 6. IF analysis using anti- CDH2 antibody (A01577-3). detected in paraffin-embedded section of human liver cancer tissue. The tissue section were stained using the Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green) (Catalog # BA1127) and counterstained with DAPI (blue).