Product datasheet

Anti-N-Cadherin/CDH2 Antibody

Catalog Number: *BA0673*

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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
Contents	500 ug/ml antibody with PBS ， 0.02% NaN3 , 1mg BSA
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human N Cadherin(701-714aa CQCDSNGDCTDVDR), identical to the related rat and mouse sequences.
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 (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

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Anti-N-Cadherin/CDH2 Antibody 被引用在10文献中。

Selected Validation Data

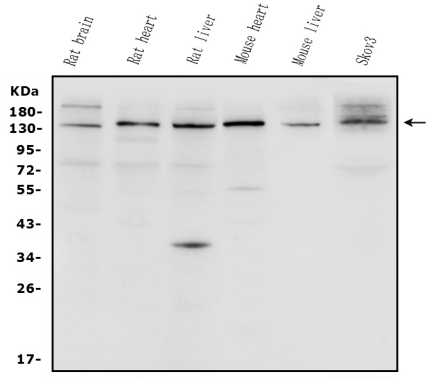

Figure 1. Western blot analysis of anti- CDH2 antibody (BA0673).The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1:Rat brain tissue lysates,Lane 2:Rat heart tissue lysates,Lane 3: Rat liver tissue lysates,Lane 4: Mouse heart tissue lysates,Lane 5: Mouse liver tissue lysates,Lane 6: Human SKOV3 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.

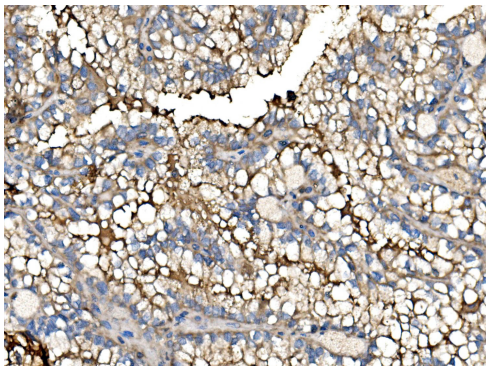

Figure 2.IHC analysis using anti- CDH2 antibody (BA0673).detected in paraffin-embedded section of human tonsil tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

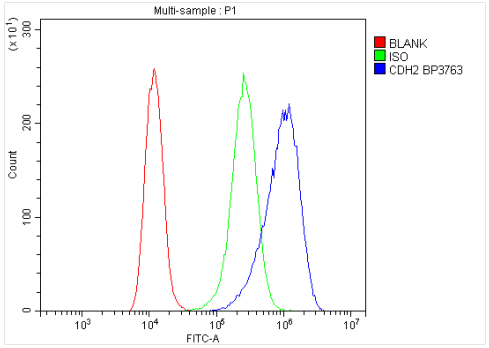

Figure 5.Flow cytometry analysis of HELA cell (1x106) DyLight 488 conjugated goat anti- rabbit IgG(blue) was used as secondary antibody.Isotype control antibody (Green line) was rabbit IgG DyLight 488. Unlabelled sample (Red line).

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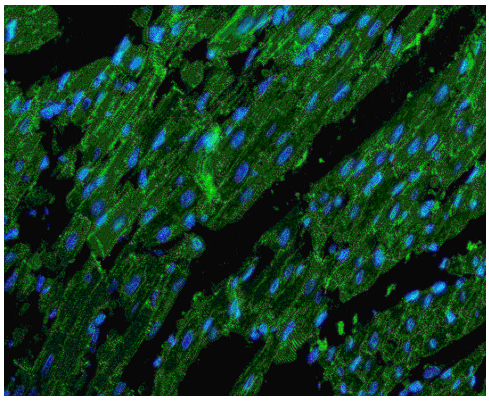

Figure 6. IF analysis using anti- CDH2 antibody (BA0673). detected in paraffin-embedded section of rat heart tissue. The tissue section were stained using the Dylight488-conjugated Anti-rabbit IgG Secondary Antibody (green) (Catalog # BA1127) and counterstained with DAPI (blue).