

Basic Information

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| Product Name | Anti-N-Cadherin/CDH2 Antibody |
| Gene Name | CDH2 |
| Source | Rabbit |
| Isotype | IgG |
| Species Reactivity | human |
| Tested Application | WB |
| Contents | 500 ug/ml antibody with PBS , 0.02% NaN3 , 1mg BSA |
| Immunogen | A synthetic peptide corresponding to a sequence of human Cadherin/CDH2 (ITRLNGDFAQLNLKIKFLEA). |
| concentration | 500 ug/ml |
| Purification | Immunogen affinity purified. |
| Observed MW | 140KD |
| Dilution Ratios | Western blot(WB):1:500-2000 |

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C 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.

Selected Validation Data

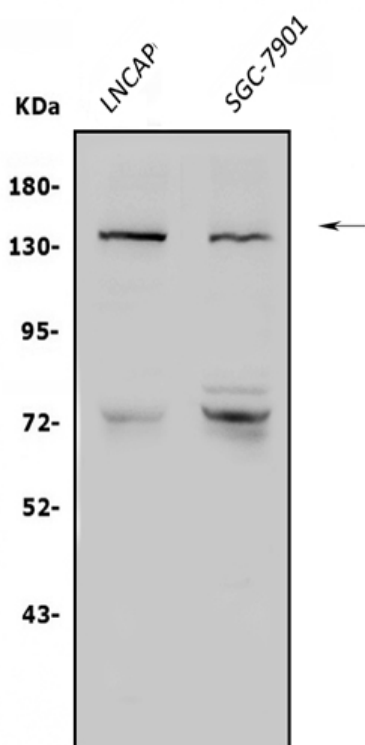


Figure 1. Western blot analysis of anti-CDH2 antibody (A01577-2).

The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human LNCAP whole cell lysates, Lane 2: human SGC-7901 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.