

Basic Information

Product Name	Anti-N-Cadherin/CDH2 Antibody
Gene Name	CDH2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cadherin/CDH2, which shares 95% and 100% amino acid (aa) sequence identity with mouse and rat Cadherin/CDH2, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	140 kDa
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.

Reference

Anti-N-Cadherin/CDH2 Antibody 被引用在14文献中。

Selected Validation Data

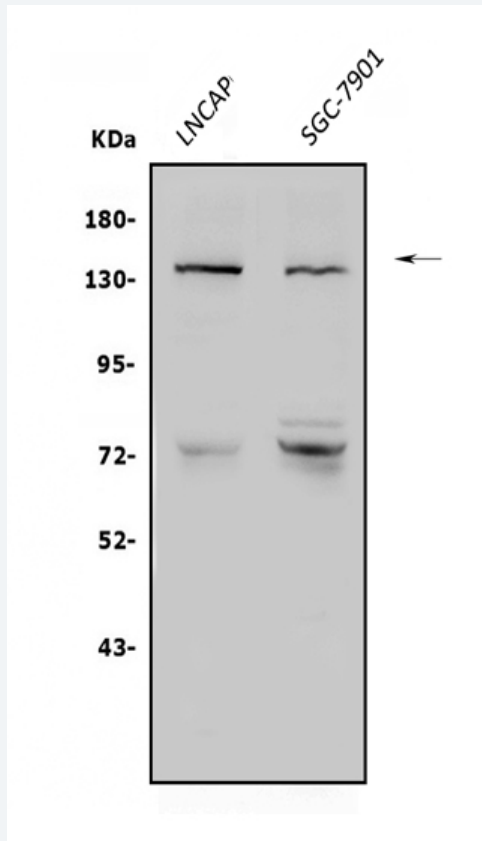


Figure 1. Western blot analysis of N-Cadherin/CDH2 using anti-N-Cadherin/CDH2 antibody (A01577-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human LNCAP whole cell lysates,

Lane 2: human SGC-7901 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-N-Cadherin/CDH2 antigen affinity purified polyclonal antibody (A01577-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for N-Cadherin/CDH2 at approximately 140 kDa. The expected band size for N-Cadherin/CDH2 is at 100 kDa.