

## 39-1072: Anti-N-Cadherin Monoclonal Antibody (Clone: GC-4)(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	GC-4
<b>Application :</b>	WB,IHC-F
<b>Reactivity :</b>	Human
<b>Gene :</b>	Cdh2
<b>Gene ID :</b>	83501
<b>Uniprot ID :</b>	Q9Z1Y3
<b>Alternative Name :</b>	Cadherin-2; Neural cadherin; N-cadherin; CD325; Cdh2
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Affinity purified chicken heart A-CAM.

### Description

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.

### Product Info

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

### Application Note

Western blot : 2µg/ml; Immunohistochemistry(Frozen Section) : 4µg/ml

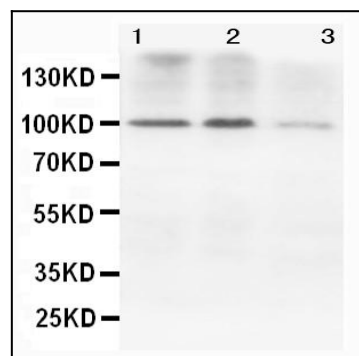


Figure 1: Anti-N-Cadherin antibody(monoclonal) 39-1072. Western blotting: Lane 1: Rat Brain Tissue Lysate, Lane 2: Rat Brain Tissue Lysate, Lane 3: Rat Medulla Oblongata Tissue Lysate.