

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

Clonality :	Monoclonal
Clone Name :	GC-4
Application :	WB,IHC-F
Reactivity :	Human
Gene :	Cdh2
Gene ID :	83501
Uniprot ID :	Q9Z1Y3
Alternative Name :	Cadherin-2; Neural cadherin; N-cadherin; CD325; Cdh2
Isotype :	Mouse IgG1
Immunogen Information :	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

Amount :	100 µg/vial
Purification :	Ascites
Content :	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN3 as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
Storage condition :	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 : 2½g/ml; Immunohistochemistry(Frozen Section) : 4½g/ml

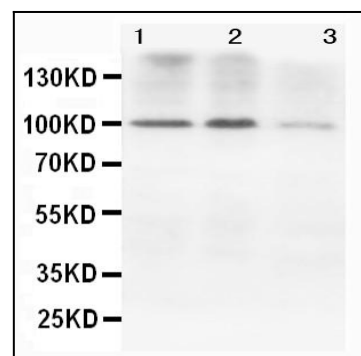


Figure 1: Anti-N-Cadherin antibody(monoclonal) 39-1072. Western blotting: Lane 1: Rat Brain Tissue Lysate, Lane 2: Rat Brain Tissue Lysate, Lane 3: Rat Medulla Oblongata Tissue Lysate.