

Product datasheet for **AM20646PU-N**

N Cadherin (CDH2) Mouse Monoclonal Antibody [Clone ID: NC-17]

Product data:

Product Type:	Primary Antibodies
Clone Name:	NC-17
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 2 µg/ml. Immunohistochemistry on frozen sections: 4 µg/ml.
Reactivity:	Chicken, Human, Mouse, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Affinity purified chicken heart A-CAM.
Specificity:	This antibody reacts to Cadherin-2.
Formulation:	5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Na ₃ N (all per vial) as preservative. State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1 ml neutral PBS to achieve stock solution of 0.1 mg/ml
Concentration:	0.1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cadherin 2
Database Link:	Entrez Gene 12558 Mouse Entrez Gene 83501 Rat Entrez Gene 1000 Human P19022



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Background:

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.

Synonyms:

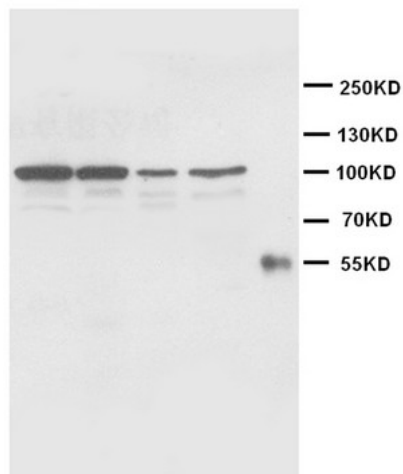
CDH2, CDHN, NCAD, Neural cadherin, CDw325, Cadherin N, N-Cadherin

Protein Families:

Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways:

Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cell adhesion molecules (CAMs)

Product images:


Lane 1: Rat liver tissue lysate Lane 2: Rat liver tissue lysate Lane 3: Rat brain tissue lysate Lane 4: Rat testicular tissue lysate Lane 5: Marker (IgG)

