

## Product datasheet for **AP06797PU-N**

### **N Cadherin (CDH2) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/50-1/200. <b>Immunofluorescence:</b> 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 710-760 of Human N-Cadherin.
Specificity:	This antibody detects endogenous levels of N-cadherin protein. (region surrounding Trp745)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	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.
Predicted Protein Size:	~ 100, 140 kDa
Gene Name:	cadherin 2
Database Link:	<a href="#">Entrez Gene 1000 Human P19022</a>



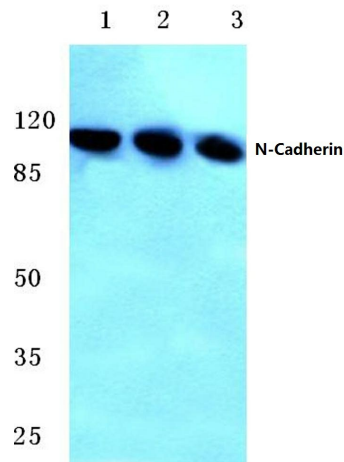
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**Background:**

Cadherins comprise a family of  $\text{Ca}^{2+}$ -dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. The classical cadherins, E-, N- and P-cadherin, consist of large extracellular domains characterized by a series of five homologous NH<sub>2</sub>-terminal repeats. The most distal of these cadherins is thought to be responsible for binding specificity, transmembrane domains and carboxyterminal intracellular domains. The relatively short intracellular domains interact with a variety of cytoplasmic proteins, such as  $\beta$ -catenin, to regulate cadherin function. Members of this family of adhesion proteins include rat cadherin K (and its human homolog, cadherin-6), R-cadherin, B-cadherin, E/P-cadherin and cadherin-5.

**Synonyms:**

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

**Product images:**

Western blot (WB) analysis of N-Cadherin antibody at 1/500 dilution. Lane 1: A549 whole cell lysate. Lane 2: Mouse brain tissue lysate. Lane 3: Rat brain tissue lysate.



Immunohistochemistry (IHC) analysis of N-cadherin antibody in paraffin-embedded human brain tissue.