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PRODUCT DATASHEET

# Anti-N-Cadherin (C-terminal region) Antibody

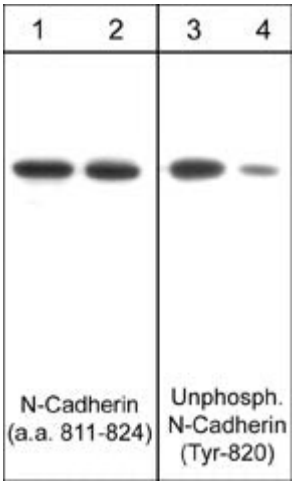
phosphosolutions ANTIBODIES THAT WORK

## Product Details

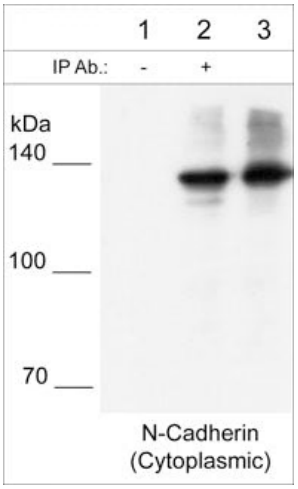
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|---|---|
| **Available Variants** | 100 µL (SKU:CP1751) |
| **Conjugate** | Unconjugated |
| **Isotype** | IgG |
| **Gene Name** | CDH2 |
| **Host Species** | Rabbit |
| **Format** | Antigen Affinity Purified |
| **Physical State** | Liquid |
| **Buffer** | PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol |
| **Applications** | ELISA, ICC, IP, WB |
| **Dilution Ranges** | WB: 1:1000<br>ICC: 1:200<br>IP: 1:100 |
| **Species Reactivity** | Human, Mouse, Rat |
| **Immunogen** | unphosphorylated N-Cadherin synthetic peptide (coupled to carrier protein) corresponding to amino acids from the C-terminal region of human N-cadherin. This sequence is conserved in rat and mouse N-cadherin, and has three amino acid differences from the conserved region in R-cadherin. |
| **Specificity** | The purified antibody detects a band at 130 kDa* in western blots of human endothelial cells and mouse brain tissue, and does not cross-react with E-cadherin. The antibody also works for ELISA, immunoprecipitation, and immunocytochemistry. |
| **Molecular Weight** | 130 |
| **Quality Control** | Western blots performed on each lot. |
| **Storage** | Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at |

| | |
|---|---|
| | -20°C. |
| **UniProt ID** | P19022<br>UniProt Summary: Calcium-dependent cell adhesion protein; preferentially mediates homotypic cell-cell adhesion by dimerization with a CDH2 chain from another cell. Cadherins may thus contribute to the sorting of heterogeneous cell types. Acts as a regulator of neural stem cells quiescence by mediating anchorage of neural stem cells to ependymocytes in the adult subependymal zone: upon cleavage by MMP24, CDH2-mediated anchorage is affected, leading to modulate neural stem cell quiescence. Plays a role in cell-to-cell junction formation between pancreatic beta cells and neural crest stem (NCS) cells, promoting the formation of processes by NCS cells. Required for proper neurite branching. Required for pre- and postsynaptic organization. CDH2 may be involved in neuronal recognition mechanism. In hippocampal neurons, may regulate dendritic spine density. May promote axon outgrowth and motor fiber repair via DSP-mediated recruitment to outgrowth tips. |
| **Country of Origin** | United States |
| **Shipping** | Blue Ice |
| **Expiration** | After date of receipt, stable for at least 1 year at -20°C. |
| **Usage Statement** | For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website. |
| **NCBI Gene ID** | 1000 |

## Product Images




Western blot image of human endothelial cells untreated (lanes 1 & 3) or treated with pervanadate (1 mM) for 30 min (lanes 2 & 4). The blots were probed with anti-N-cadherin (a.a. 811-824) (lanes 1 & 2) and anti-unphosphorylated N-cadherin (Tyr-820) (lanes 3 & 4).




Western blot image of mouse brain lysate immunoprecipitated with no antibody (lane 1), anti-N-Cadherin (CP1751) rabbit polyclonal antibody (lane 2), and whole mouse brain lysate (lane 3). The blot was probed with anti-N-cadherin (Cytoplasmic) mouse monoclonal antibody (lanes 1-3) and detected using anti-Mouse Ig Light Chain specific:HRP secondary antibody.



Created on 20. November 2026 | All information without guarantee