www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-Unphosphorylated N-Cadherin (Tyr-820) Antibody

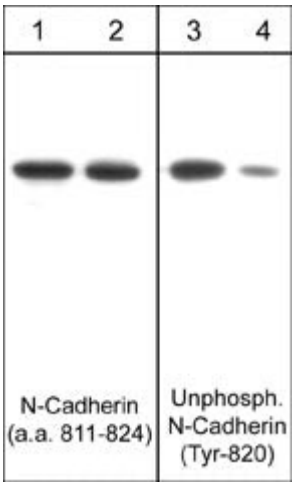
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:CP1851)
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, WB
Dilution Ranges	WB: 1:1000
Species Reactivity	Human, Mouse, Rat
Immunogen	Unphosphorylated N-Cadherin (Tyr-820) synthetic peptide (coupled to carrier protein) corresponding to amino acids surrounding tyrosine 820 in 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	This antibody was cross-adsorbed to phospho-N-cadherin (Tyr-820) peptide before affinity purification using unphosphorylated N-cadherin (Tyr-820) peptide. The purified antibody detects a strong band at 130 kDa* in western blots of serum-starved human endothelial cells, but is decreased in pervanadate treated cells. This reactivity in western blots is blocked specifically by unphosphorylated N-cadherin (Tyr-820) peptide.
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 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.
Post Translational Modification Type	Phosphorylated
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).

Created on 20. November 2026 | All information without guarantee