

Datasheet for ABIN968579

anti-CTNND2 antibody (AA 85-194)



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1 Image

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Overview

Quantity:	50 µg
Target:	CTNND2
Binding Specificity:	AA 85-194
Reactivity:	Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CTNND2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Mouse delta-Catenin aa. 85-194
Clone:	30-delta
Isotype:	IgG1
Cross-Reactivity:	Rat (Rattus)
Characteristics:	<ol style="list-style-type: none"> 1. Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2. Please refer to us for technical protocols. 3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing. 4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

Product Details

chromatography.

Target Details

Target:	CTNND2
Alternative Name:	delta-Catenin (CTNND2 Products)
Background:	<p>The catenins (alpha, beta, gamma, delta, p120[ctn]) are cytoplasmic proteins that are related to the Drosophila Armadillo protein. Catenins may have dual roles since they are components of cell-cell adherens junctions and can translocate to the nucleus after stimulation of the Wingless (Wnt-1 homolog) signaling pathway. alpha-Catenin has two subtypes: alphaE-Catenin, which is expressed ubiquitously, and alphaN-Catenin, which is expressed in the nervous system. beta-Catenin binds to the cytoplasmic tail of E-Cadherin at adherens junctions and has been implicated in Wnt-1 signaling. gamma-Catenin is associated with desmoglein in desmosomes and is closely related to beta-Catenin. p120[ctn] is related to both beta- and gamma-catenin and is a substrate of tyrosine kinases localized at adherens junctions. delta-catenin was identified by its ability to bind the Alzheimer's disease-related protein, presenilin-1. It is most closely related to p120[ctn] and the desmosomal protein, p0071. It contains 10 Armadillo (Arm) repeats, as compared to the 13 Arm repeats found in beta-Catenin. delta-Catenin is expressed at high levels in the developing nervous system, where it may be involved in neuronal progenitor cell migration and dendrite development.</p>
Molecular Weight:	160 kDa

Application Details

Comment:	Related Products: ABIN968545, ABIN967389
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	250 µg/mL
Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

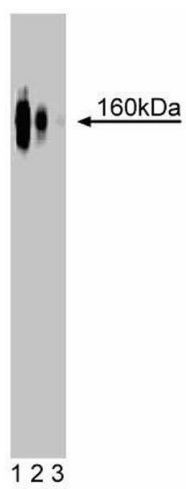
Handling

Storage: -20 °C

Storage Comment: Store undiluted at -20°C.

Publications

- Product cited in:
- Akins, Greer: "Axon behavior in the olfactory nerve reflects the involvement of catenin-cadherin mediated adhesion." in: **The Journal of comparative neurology**, Vol. 499, Issue 6, pp. 979-89, (2007) ([PubMed](#)).
- Izawa, Nishizawa, Ohtakara, Inagaki: "Densin-180 interacts with delta-catenin/neural plakophilin-related armadillo repeat protein at synapses." in: **The Journal of biological chemistry**, Vol. 277, Issue 7, pp. 5345-50, (2002) ([PubMed](#)).
- Laura, Witt, Held, Gerstner, Deshayes, Koehler, Kosik, Sidhu, Lasky: "The Erbin PDZ domain binds with high affinity and specificity to the carboxyl termini of delta-catenin and ARVCF." in: **The Journal of biological chemistry**, Vol. 277, Issue 15, pp. 12906-14, (2002) ([PubMed](#)).
- Ho, Zhou, Medina, Goto, Jacobson, Bhide, Kosik: "delta-catenin is a nervous system-specific adherens junction protein which undergoes dynamic relocalization during development." in: **The Journal of comparative neurology**, Vol. 420, Issue 2, pp. 261-76, (2000) ([PubMed](#)).
- Lu, Paredes, Medina, Zhou, Cavallo, Peifer, Orecchio, Kosik: "delta-catenin, an adhesive junction-associated protein which promotes cell scattering." in: **The Journal of cell biology**, Vol. 144, Issue 3, pp. 519-32, (1999) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of delta-Catenin on rat brain lysate. Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution of delta-Catenin.