

Datasheet for ABIN967954

anti-Cadherin 4 antibody (AA 22-201)

3 Images

3 Publications



[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Cadherin 4 (CDH4)
Binding Specificity:	AA 22-201
Reactivity:	Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cadherin 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	Mouse R-Cadherin aa. 22-201
Clone:	48-R
Isotype:	IgG2a kappa
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:	Cadherin 4 (CDH4)
Alternative Name:	R-Cadherin (CDH4 Products)
Background:	R-Cadherin was first isolated from chicken retina, but was subsequently shown to be present and highly conserved in a variety of tissues from several different species. A 913 amino acid polypeptide, R-Cadherin is highly homologous to Cadherin-4, but is most closely related to another family member, N-Cadherin. In experiments using chimeric L cells expressing chicken or mouse Cadherins, those cells expressing mouse or chicken R-Cadherin were able to aggregate with each other as well as with cells expressing N-Cadherin. However, there was no aggregation of R-Cadherin expressing cells, with P- or E-Cadherin expressing cells. This suggests that the roles of specific cadherins are conserved among types in the determination of heterogenous cell segregation and distribution during tissue morphogenesis and maintenance.
Molecular Weight:	100 kDa
Pathways:	Cell-Cell Junction Organization , Regulation of Cell Size

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.
Storage:	-20 °C
Storage Comment:	Store undiluted at -20°C.

Publications

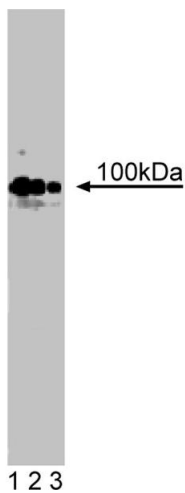
Product cited in:

Tanihara, Sano, Heimark, St John, Suzuki: "Cloning of five human cadherins clarifies characteristic features of cadherin extracellular domain and provides further evidence for two structurally different types of cadherin." in: **Cell adhesion and communication**, Vol. 2, Issue 1, pp. 15-26, (1995) ([PubMed](#)).

Hutton, Christofori, Chi, Edman, Guest, Hanahan, Kelly: "Molecular cloning of mouse pancreatic islet R-cadherin: differential expression in endocrine and exocrine tissue." in: **Molecular endocrinology (Baltimore, Md.)**, Vol. 7, Issue 9, pp. 1151-60, (1994) ([PubMed](#)).

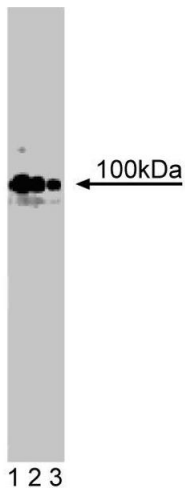
Matsunami, Miyatani, Inoue, Copeland, Gilbert, Jenkins, Takeichi: "Cell binding specificity of mouse R-cadherin and chromosomal mapping of the gene." in: **Journal of cell science**, Vol. 106 (Pt 1), Issue 6, pp. 401-9, (1994) ([PubMed](#)).

Images



Western Blotting

Image 1.



Western Blotting

Image 2. Western blot analysis of R-Cadherin on rat brain lysate. Lane 1: 1:500, lane 2: 1:1000, lane 3: 1:2000 dilution of R-Cadherin.

Image 3.

