

Datasheet for ABIN967839

anti-P-Cadherin antibody (AA 72-259)**2** Images**5** Publications[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	P-Cadherin (CDH3)
Binding Specificity:	AA 72-259
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This P-Cadherin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Human P-Cadherin aa. 72-259
Clone:	56-P
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.

Product Details

Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.
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Target Details

Target:	P-Cadherin (CDH3)
Alternative Name:	P-Cadherin (CDH3 Products)
Background:	Cadherins are a family of transmembrane glycoproteins involved in the Ca ²⁺ -dependent cell-cell adhesion that occurs in many tissues. Cadherins are similar in their domain structure, Ca ²⁺ and protease sensitivity, and molecular weight. However, these proteins have distinct tissue expression patterns and immunological reactivities. P-Cadherin is localized in placenta while E-Cadherin and N-Cadherin are found in epithelial and neural tissues, respectively. P-Cadherin is an 829 amino acid polypeptide with a putative signal peptide and precursor region, an extracellular domain containing several internal repeats, and a highly hydrophobic transmembrane region. The cytoplasmic domain provides a link to the cytoskeleton through the associated catenin proteins.
Molecular Weight:	120 kDa

Application Details

Comment:	Related Products: ABIN968533, ABIN967389
Restrictions:	For Research Use only

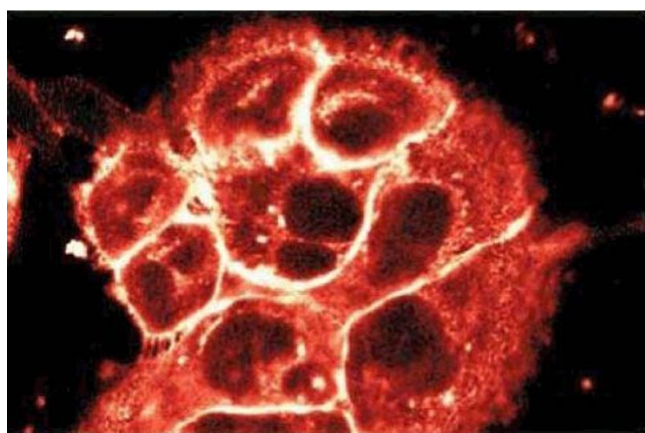
Handling

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:
- Holsinger, Ward, Duffield, Zachwieja, Jallal: "The transmembrane receptor protein tyrosine phosphatase DEP1 interacts with p120(ctn)." in: **Oncogene**, Vol. 21, Issue 46, pp. 7067-76, (2002) ([PubMed](#)).
- Bailey, Biddlestone, Shepherd, Barr, Warner, Jankowski: "Altered cadherin and catenin complexes in the Barrett's esophagus-dysplasia-adenocarcinoma sequence: correlation with disease progression and dedifferentiation." in: **The American journal of pathology**, Vol. 152, Issue 1, pp. 135-44, (1998) ([PubMed](#)).
- Kantak, Kramer: "E-cadherin regulates anchorage-independent growth and survival in oral squamous cell carcinoma cells." in: **The Journal of biological chemistry**, Vol. 273, Issue 27, pp. 16953-61, (1998) ([PubMed](#)).
- Tao, Edwards, Tubb, Wang, Bryan, McCrea: "beta-Catenin associates with the actin-bundling protein fascin in a noncadherin complex." in: **The Journal of cell biology**, Vol. 134, Issue 5, pp. 1271-81, (1996) ([PubMed](#)).
- Nose, Nagafuchi, Takeichi: "Isolation of placental cadherin cDNA: identification of a novel gene family of cell-cell adhesion molecules." in: **The EMBO journal**, Vol. 6, Issue 12, pp. 3655-61, (1988) ([PubMed](#)).

Images



Immunofluorescence

Image 1. Immunofluorescent staining of A431 cells.



Western Blotting

Image 2. Western blot analysis of P-Cadherin on A431 cell lysate. Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution of anti-P-Cadherin antibody.