

Datasheet for ABIN967840  
**anti-P-Cadherin antibody (AA 72-259)**[4 Images](#)[5 Publications](#)[Go to Product page](#)

## Overview

Quantity:	150 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"><li>1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.</li><li>2. Please refer to us for technical protocols.</li><li>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.</li><li>4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.</li></ol>

## Product Details

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

## Target Details

Target:	P-Cadherin (CDH3)
Alternative Name:	P-Cadherin ( <a href="#">CDH3 Products</a> )
Background:	Cadherins are a family of transmembrane glycoproteins involved in the Ca <sup>2+</sup> -dependent cell-cell adhesion that occurs in many tissues. Cadherins are similar in their domain structure, Ca <sup>2+</sup> 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

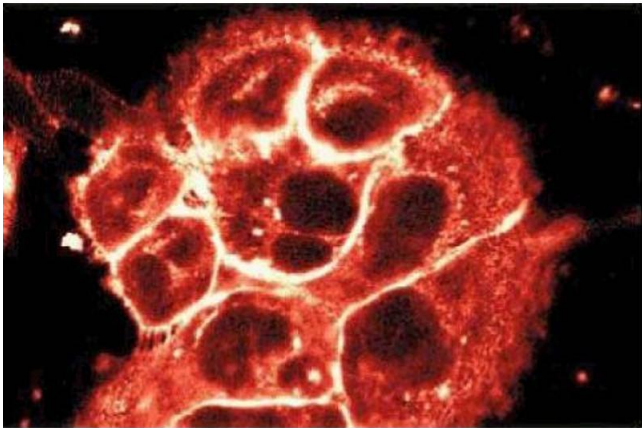
- Product cited in: Holsinger, Ward, Duffield, Zachwieja, Jallal: "The transmembrane receptor protein tyrosine phosphatase DEP1 interacts with p120(ctn)." in: **Oncogene**, Vol. 21, Issue 46, pp. 7067-76, (2002) ([PubMed](#)).
- Bailey, Biddlestone, Shepherd, Barr, Warner, Jankowski: "Altered cadherin 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



### Western Blotting

**Image 1.** 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.



Immunofluorescence

**Image 2.** Immunofluorescent staining of A431 cells.

**Image 3.**



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN967840.