10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-P-Cadherin (N-terminal region) Antibody

Catalog # AN1664

Specification

Anti-P-Cadherin (N-terminal region) Antibody - Product Information

Application	**WB**
Primary Accession	P22223
Reactivity	**Bovine**
Host	**Mouse**
Clonality	**Mouse Monoclonal**
Isotype	**IgG1**
Calculated MW	**91418**

Anti-P-Cadherin (N-terminal region) Antibody - Additional Information

Gene ID **1001**

Other Names
CDH3, Cadherin 3, CDHP, Placental Cadherin, P-Cadherin

Target/Specificity
Cadherins are transmembrane glycoproteins vital in calcium-dependent cell-cell adhesion during tissue differentiation. Cadherins cluster to form foci of homophilic binding units. A key determinant to the strength of the cadherin-mediated adhesion may be by the juxtamembrane region in cadherins. This region induces clustering and also binds to the protein p120 catenin. The cytoplasmic region is highly conserved in sequence and has been shown experimentally to regulate the cell-cell binding function of the extracellular domain of E-cadherin, possibly through interaction with the cytoskeleton. Many cadherins are regulated by phosphorylation, including N-cadherin and E-cadherin. P-Cadherin (Cadherin-3) is localized in placenta while E-Cadherin (Cadherin-1) and N-Cadherin (Cadherin-2) are found in epithelial and neural tissues, respectively. P-Cadherin is expressed in normal epithelial cells and some cancer cells, and its sequence contains 5 cadherin domains in the extracellular region.

Dilution
WB~~1:1000

Format
Protein A Purified

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Anti-P-Cadherin (N-terminal region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping
Blue Ice

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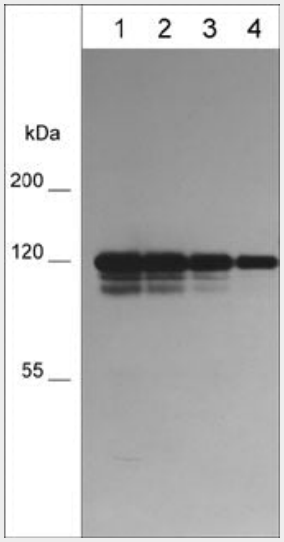
Anti-P-Cadherin (N-terminal region) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-P-Cadherin (N-terminal region) Antibody - Images



Western blot image of human A431 cells (lanes 1-4). The blots were probed with mouse monoclonals anti-P-Cadherin at 1:250 (lane 1) and 1:500 (lane 2), 1:1000 (lane 3) and 1:2000 (lane 4).

Anti-P-Cadherin (N-terminal region) Antibody - Background

Cadherins are transmembrane glycoproteins vital in calcium-dependent cell-cell adhesion during tissue differentiation. Cadherins cluster to form foci of homophilic binding units. A key determinant to the strength of the cadherin-mediated adhesion may be by the juxtamembrane region in cadherins. This region induces clustering and also binds to the protein p120 catenin. The cytoplasmic region is highly conserved in sequence and has been shown experimentally to regulate the cell-cell binding function of the extracellular domain of E-cadherin, possibly through interaction with the cytoskeleton. Many cadherins are regulated by phosphorylation, including N-cadherin and E-cadherin. P-Cadherin (Cadherin-3) is localized in placenta while E-Cadherin (Cadherin-1) and N-Cadherin (Cadherin-2) are found in epithelial and neural tissues, respectively. P-Cadherin is expressed in normal epithelial cells and some cancer cells, and its sequence contains 5 cadherin domains in the extracellular region.