

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.

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

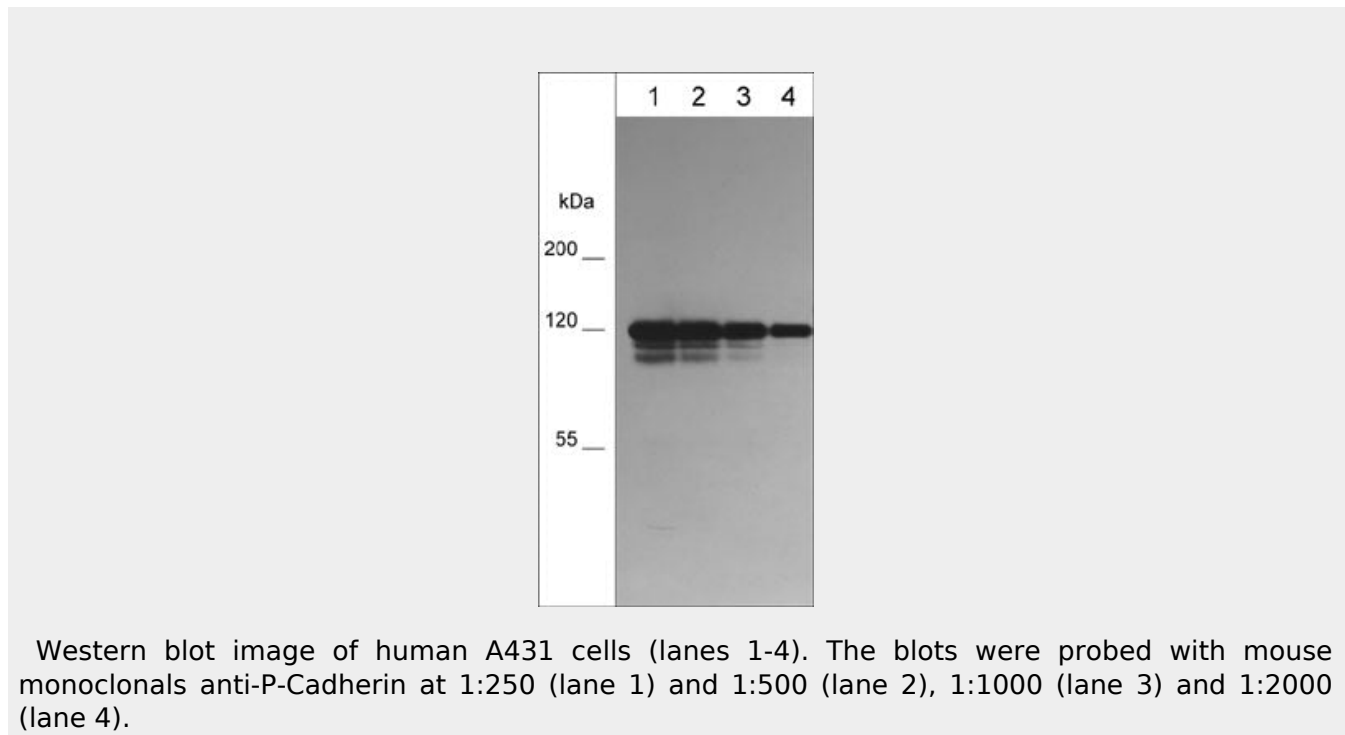
Blue Ice

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 Cytometry](#)
- [Cell Culture](#)

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



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.