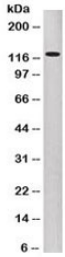
P-Cadherin Antibody Clone 6A9 / Mouse Monoclonal Antibody [clone 6A9] (V3397)

Catalog No.	Formulation	Size
V3397-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3397-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3397SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

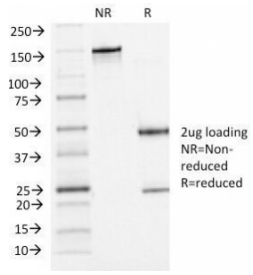
Citations (21)

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	6A9
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P22223
Localization	Cell surface, cytoplasmic
Applications	0.5-1ug/million cells1-2ug/ml0.5-1ug/ml
Limitations	This P-Cadherin Antibody Clone 6A9 / Mouse Monoclonal Antibody is available for research use only.



P-Cadherin Antibody Clone 6A9 A431 Cell WB. Western blot analysis of human A431 cell lysate using P-Cadherin Antibody Clone 6A9 / Mouse Monoclonal Antibody. A specific band is detected between approximately 100â€“130 kDa, consistent with the expected migration range of glycosylated P-Cadherin. The unmodified CDH3 protein has a predicted molecular weight of approximately 91 kDa. These results support the use of P-Cadherin Antibody Clone 6A9 / Mouse Monoclonal Antibody for studying epithelial adhesion protein expression and Cadherin 3 signaling pathways in human cancer cell models.



P-Cadherin Antibody Clone 6A9 Purity Gel Run. SDS-PAGE analysis of purified, BSA-free P-Cadherin Antibody Clone 6A9 / Mouse Monoclonal Antibody under non-reducing (NR) and reducing (R) conditions. A 2 ug sample was analyzed to confirm antibody integrity and purity. The non-reduced antibody migrates at approximately 150 kDa, while reduced conditions show expected heavy and light chain bands near 50 kDa and 25 kDa, respectively. These results demonstrate the purity of P-Cadherin Antibody Clone 6A9 / Mouse Monoclonal Antibody and support its use in antibody-based detection applications.

Description

P-Cadherin Antibody Clone 6A9 / Mouse Monoclonal Antibody detects the classical cadherin family protein encoded by the CDH3 gene. Clone 6A9 is a mouse monoclonal antibody developed for the detection of P-Cadherin, also known as Cadherin 3 or placental cadherin. P-Cadherin is a calcium-dependent adhesion molecule expressed in select epithelial tissues, where it contributes to cell-cell interactions, adherens junction formation and maintenance of tissue organization. Through its extracellular cadherin domains and intracellular signaling connections, P-Cadherin helps regulate epithelial integrity and communication between neighboring cells.

P-Cadherin Antibody Clone 6A9 / Mouse Monoclonal Antibody has been referenced in multiple peer-reviewed publications, making clone 6A9 a recognized reagent for researchers studying CDH3 expression patterns. Published studies have used P-Cadherin detection to investigate epithelial markers, tumor classification and changes in adhesion molecule expression associated with disease progression. The monoclonal format provides consistent recognition of a defined target, supporting reproducible analysis across research applications.

P-Cadherin has been widely studied in cancer biology because altered expression is associated with several tumor types, including breast, ovarian and pancreatic cancers. Changes in P-Cadherin expression may influence cellular adhesion, migration and interactions within the tumor microenvironment. Evaluation of CDH3 protein levels provides insight into epithelial remodeling, cancer-associated signaling pathways and mechanisms that regulate cell behavior during tumor development.

Beyond oncology, P-Cadherin plays important roles in developmental biology and epithelial tissue maintenance. The protein is associated with basal epithelial cell populations and participates in processes controlling cellular organization and differentiation. Genetic changes affecting CDH3 have also been linked to disorders involving hair and retinal development, highlighting the importance of normal cadherin function in specialized tissues.

NSJ Bioreagents offers P-Cadherin Antibody Clone 6A9 / Mouse Monoclonal Antibody for researchers studying epithelial adhesion proteins, cancer markers and cadherin family signaling pathways. This antibody supports the investigation of P-Cadherin localization and expression in applications such as immunohistochemistry and related detection methods. P-Cadherin Antibody Clone 6A9 / Mouse Monoclonal Antibody provides a publication-supported tool for analyzing cell adhesion regulation, epithelial biology and CDH3-associated research pathways.

Researchers studying CDH3 expression and cadherin family signaling may also be interested in our P-Cadherin Antibody / Epithelial Cell Adhesion Antibody page, which highlights epithelial junction regulation, cell-cell adhesion and tissue organization pathways.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the P-Cadherin Antibody Clone 6A9 / Mouse Monoclonal Antibody to be titered up or down for optimal performance.

Immunogen

Membrane from trypsinized A431 cells was used as the immunogen for this P-Cadherin antibody.

Storage

Store the P-Cadherin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

CDH3 antibody, Cadherin 3 antibody, Placental Cadherin antibody, P Cadherin antibody, P-Cadherin Mouse Monoclonal antibody, CDHP antibody, HJMD antibody

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