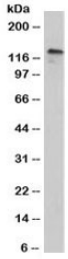
CDH3 Antibody Clone 12H6 / Cadherin 3 Monoclonal Antibody [clone 12H6] (V3329)

Catalog No.	Formulation	Size
V3329-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3329-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3329SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (5)

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	12H6
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
UniProt	P22223
Localization	Cell surface, cytoplasmic
Applications	Flow cytometry: 0.5-1ug/10^6 cells Immunofluorescence: 1-2ug/ml Western blot: 0.5-1ug/ml
Limitations	This CDH3 Antibody Clone 12H6 / Cadherin 3 Monoclonal Antibody is available for research use only.



CDH3 Antibody Clone 12H6 A431 Cell WB. Western blot analysis of human A431 cell lysate using CDH3 Antibody Clone 12H6 / Cadherin 3 Monoclonal Antibody. A specific band is detected between approximately 100â€“130 kDa, consistent with the expected migration range of glycosylated Cadherin 3. The unmodified CDH3 protein has a predicted molecular weight of approximately 91 kDa. These results support the use of CDH3 Antibody Clone 12H6 / Cadherin 3 Monoclonal Antibody for studying Cadherin 3 expression, epithelial adhesion proteins and cell junction regulation.

Description

CDH3 Antibody Clone 12H6 / Cadherin 3 Monoclonal Antibody detects the epithelial adhesion protein encoded by the CDH3 gene. Clone 12H6 is a monoclonal antibody developed for the detection of Cadherin 3, also known as P-Cadherin or placental cadherin. CDH3 is a member of the classical cadherin family of calcium-dependent transmembrane proteins that regulate cell-cell adhesion and epithelial organization. Through extracellular cadherin repeat domains and intracellular connections with catenin-associated pathways, Cadherin 3 helps maintain tissue structure, cell junction formation and communication between neighboring epithelial cells.

CDH3 Antibody Clone 12H6 / Cadherin 3 Monoclonal Antibody provides researchers with a clone-specific reagent for evaluating Cadherin 3 expression and localization. Monoclonal antibodies recognize defined target regions, supporting consistent detection in studies involving epithelial markers and adhesion-related pathways. CDH3 expression is commonly examined in models of epithelial differentiation, cellular organization and changes in cell adhesion associated with normal development or disease processes.

Cadherin 3 has been extensively studied in cancer research due to altered expression patterns reported in several malignancies. Increased CDH3 expression has been investigated in breast cancer, ovarian cancer, pancreatic cancer and additional tumor types, where changes in adhesion signaling may influence tumor cell behavior, invasion and interactions with the surrounding microenvironment. Detection of CDH3 protein expression helps researchers evaluate epithelial remodeling, tumor phenotype and pathways connecting adhesion molecules with cancer progression.

Beyond its role as a cancer-associated marker, Cadherin 3 is important for understanding epithelial biology and tissue development. The protein is associated with basal epithelial compartments and contributes to processes that regulate cell positioning, differentiation and maintenance of organized tissue structures. Genetic alterations involving CDH3 have also been connected with developmental disorders affecting specialized tissues, further demonstrating the importance of proper cadherin-mediated adhesion.

NSJ Bioreagents offers CDH3 Antibody Clone 12H6 / Cadherin 3 Monoclonal Antibody for researchers studying cadherin proteins, epithelial cell adhesion and cancer biology pathways. This antibody supports analysis of CDH3 expression, localization and function in relevant research applications. CDH3 Antibody Clone 12H6 / Cadherin 3 Monoclonal Antibody provides a reliable tool for investigating Cadherin 3 biology, cell junction regulation and mechanisms controlling epithelial cell communication.

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 CDH3 Antibody Clone 12H6 / Cadherin 3 Monoclonal Antibody to be titered up or down for optimal performance.

Immunogen

A human full length recombinant protein was used as the immunogen for this P-Cadherin / CDH3 antibody.

Storage

Store the CDH3 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

P-Cadherin antibody, Cadherin 3 antibody, Placental Cadherin antibody, CDH3 Monoclonal antibody, CDHP antibody, HJMD antibody, Cadherin Family Member 3 antibody

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