

CDH3 Antibody / P-Cadherin [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

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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 is available for research use only.



Western blot testing of human A431 cell lysate with P-Cadherin / CDH3 antibody (clone 12H6). Expected molecular weight: ~91 kDa (unmodified), 100~130 kDa (glycosylated).

Description

Recognizes a protein of 116kDa, identified as P-Cadherin, or Cadherin 3 or CDH3. It is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. This gene is located in a six-cadherin cluster in a region on the long arm of chromosome 16 that is involved in loss of heterozygosity events in breast and prostate cancer. In addition, aberrant expression of this protein is observed in cervical adenocarcinomas. Mutations in this gene have been associated with congenital hypotrichosis with juvenile macular dystrophy.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the CDH3 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).