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ARG54602
anti-P Cadherin antibody [NCC-CAD-299]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [NCC-CAD-299] recognizes P Cadherin
Tested Reactivity	Hu
Tested Application	IHC, WB
Specificity	This antibody specifically reacts withhuman P-Cadherin, and inhibits PCadherindependent cell-cell contact
Host	Mouse
Clonality	Monoclonal
Clone	NCC-CAD-299
Isotype	IgG1
Target Name	P Cadherin
Antigen Species	Human
Immunogen	Human epidermal carcinomacell line A431.
Conjugation	Un-conjugated
Alternate Names	PCAD; Cadherin-3; P-cadherin; HJMD; Placental cadherin; CDHP

Application Instructions

Application Note	Western blot: 5 - 10 ug/ml, nonreducing and non - heating conditions. Immunohistochemistry: 5 - 10 ug/ml, * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Calculated Mw	91 kDa

Properties

Form	Liquid
Buffer	10 mM PBS (pH 7.4) and 1% BSA
Stabilizer	1% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 1001 Human Swiss-port # P22223 Human
Gene Symbol	CDH3
Gene Full Name	cadherin 3, type 1, P-cadherin (placental)
Background	This gene is a classical cadherin from the cadherin superfamily. The encoded protein 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 congential hypotrichosis with juvenile macular dystrophy. [provided by RefSeq, Jul 2008]
Function	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. [UniProt]
Research Area	Neuroscience antibody; Signaling Transduction antibody