

## P-Cadherin (12H6) Mouse mAb



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

<b>Applications:</b> W, IP, IF-IC, FC-FP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 120	Source/Isotype: Mouse IgG1	UniProt ID: #P22223	Entrez-Gene Id: 1001
Product Usage		Application				Dilution
Information		Western Blotting				1:1000
		Immunoprecipitation				1:100
		Immunofluorescence	(Immunocytocher	nistry)		1:400
		Flow Cytometry (Fixed	d/Permeabilized)			1:200
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. <i>Do not aliquot the antibody.</i>				
Specificity/Sensitivity		P-Cadherin (12H6) recognizes endogenous levels of total P-cadherin protein. This antibody does not cross-react with other cadherin proteins.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the human P-cadherin protein.				
		cell adhesion and play includes N-, P-, R-, B-, junctions, a cellular st domain of classical cacatenin. β-catenin and the actin cytoskeletor regulates cadherin ac suppressor of invasio cancer cells have upre expression is called the overexpression of MN cells, VE-cadherin signangiogenesis (5,6). In	y critical roles in no and E-cadherins, a cructure near the a dherins interacts v d γ-catenin associa n (1,2). While β- and lhesive activity and n and growth of m egulated N-cadheri ne "cadherin switch MP-9 and cellular in naling, expression, vestigators have al	acellular domain. Cadher rmal tissue developments well as about ten other pical surface of polarized with $\beta$ -catenin, $\gamma$ -catenin (te with $\alpha$ -catenin, which I $\gamma$ -catenin play structural trafficking (1-4). Investig any epithelial cancers (1- n in addition to loss of E" N-cadherin cooperates vasion (3). Research stud and localization correlates to demonstrated that exponsible of the surface of the surfac	t (1). The classic cac members that are epithelial cells. The also called plakogl inks the cadherin-c I roles in the junction ators consider E-ca 3). Research studie cadherin. This char is with the FGF recepties have shown that with vascular peripression of P-cadh	dherin subfamily found in adherens e cytoplasmic obin), and p120 catenin complex to onal complex, p120 adherin an active indicate that nge in cadherin tor, leading to at in endothelial meability and tumor erin, which is
Background References		<ol> <li>Wheelock, M.J. and Johnson, K.R. (2003) <i>Annu Rev Cell Dev Biol</i> 19, 207-35.</li> <li>Christofori, G. (2003) <i>EMBO J</i> 22, 2318-23.</li> <li>Hazan, R.B. et al. (2004) <i>Ann N Y Acad Sci</i> 1014, 155-63.</li> <li>Bryant, D.M. and Stow, J.L. (2004) <i>Trends Cell Biol</i> 14, 427-34.</li> <li>Rabascio, C. et al. (2004) <i>Cancer Res</i> 64, 4373-7.</li> <li>Yamaoka-Tojo, M. et al. (2006) <i>Arterioscler Thromb Vasc Biol</i> 26, 1991-7.</li> <li>Patel, I.S. et al. (2003) <i>Int J Cancer</i> 106, 172-7.</li> <li>Sanders, D.S. et al. (2000) <i>J Pathol</i> 190, 526-30.</li> </ol>				
Species Reactiv	vity	Species reactivity is de	etermined by testir	ng in at least one approve	ed application (e.g.,	, western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/y nonfat				

**Western Blot Buffer** 

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at  $4^{\circ}$ C with gentle shaking, overnight.

**Applications Key** 

 $\textbf{W:} \ \textbf{Western Blotting IP:} \ \textbf{Immunoprecipitation IF-IC:} \ \textbf{Immunofluorescence (Immunocytochemistry) FC-Immunocytochemistry)} \ \textbf{FC-Immunocytochemistry)} \ \textbf{FC-Immunocytochemistry} \ \textbf{FC-Imm$ 

**FP:** Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key

**H:** Human

**Trademarks and Patents** 

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.

Alexa Fluor is a registered trademark of Life Technologies Corporation.

All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information.

## **Limited Uses**

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.