Store at -20C	Cadherin-17 Antibody	С	ell Signaling
		Orders:	877-616-CELL (2355) orders@cellsignal.com
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.291		Web:	info@cellsignal.com cellsignal.com
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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 120	Source/Isotype: Rabbit	UniProt ID: #Q12864	Entrez-Gene Id: 1015	
Product Usage Information)	Application Western Blotting			Dilution 1:1000		
Storage		Supplied in 10 mM so 20°C. Do not aliquot t	dium HEPES (pH 7.! he antibody.	5), 150 mM NaCl, 100 µg	/ml BSA and 50% gl	ycerol. Store at –	
Specificity/Ser	sitivity	Cadherin-17 Antibody recognizes endogenous levels of total Cadherin-17 protein. Based upon sequence alignment, this antibody is not predicted to cross-react with Cadherin-16 protein.					
Source / Purifi	cation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human Cadherin-17 protein. Antibodies are purified by protein A and peptide affinity chromatography.					
Background		Cadherins are a super approximately 100 re cell adhesion and play includes N-, P-, R-, B-, junctions, a cellular st domain of classical ca catenin. β -catenin and the actin cytoskeletor regulates cadherin ac suppressor of invasio cancer cells have upre expression is called th overexpression of MN cells, VE-cadherin sign angiogenesis (5,6). In normally present in e Cadherin-17/Liver-Int belongs to the 7D-cad extracellular domain any homology to the homotypic cell-cell ad polarized epithelia lin conditions (10). Resea gastric cancer and ma level, research studies cancer through its ab	rfamily of transmer sidues in their extra y critical roles in no and E-cadherins, as tructure near the ap adherins interacts w d y-catenin associat n (1,2). While β - and thesive activity and n and growth of ma egulated N-cadherin maling, expression, AP-9 and cellular in vestigators have als pithelial cells, is als estine-cadherin (CD dherin superfamily. with seven cadherir cytoplasmic domain thesion molecule the ing the small intest arch studies have de ay serve as a novel of s have suggested the ility to engage both	mbrane glycoproteins that acellular domain. Cadher rmal tissue development s well as about ten other bical surface of polarized <i>i</i> th β-catenin, γ-catenin (we with α-catenin, which I γ-catenin play structura trafficking (1-4). Investig any epithelial cancers (1- n in addition to loss of E- " N-cadherin cooperates vasion (3). Research stud and localization correlate so demonstrated that ex to altered in ovarian and 0H17/LI-cadherin) is a typ Unlike classical cadherins (9 at is selectively expresses ine and colon of humans emonstrated that CDH17 oncogenic biomarker for nat CDH17 exerts its onco- n NF-κB and MAPK signal	at contain cadherin ins mediate calciun ins mediate calciun t (1). The classic cad members that are epithelial cells. The also called plakoglo inks the cadherin-c l roles in the junctic jators consider E-ca 3). Research studies cadherin. This char cadherin. This char s with the FGF recep ies have shown tha e with vascular perr pression of P-cadhe other human cance be-I transmembran- is, CDH17 is charact oplasmic domain th D). CDH17 is a calciu ed on the basolatera s under normal phy ' is aberrantly overe this disease (11,12 ogenicity in the con ing cascades (13,14	repeats of h-dependent cell- herin subfamily found in adherens e cytoplasmic obin), and p120 atenin complex to nal complex, p120 dherin an active is indicate that tor, leading to t in endothelial neability and tumor erin, which is rs (7,8). e glycoprotein that terized by an hat does not display im-dependent al surface of siological xpressed in human). At the molecular text of gastric).	
Background R	eferences	1. Wheelock, M.J. and 2. Christofori, G. (200) 3. Hazan, R.B. et al. (2 4. Bryant, D.M. and St 5. Rabascio, C. et al. (2 6. Yamaoka-Tojo, M. e 7. Patel, I.S. et al. (200 8. Sanders, D.S. et al. 9. Berndorff, D. et al. 10. Gessner, R. and Ta 11. Grötzinger, C. et a 12. Dong, W. et al. (201 13. Lin, Z. et al. (2014) 14. Wang, J. et al. (2014)	Johnson, K.R. (2003 3) <i>EMBO J</i> 22, 2318- 004) <i>Ann N Y Acad</i> cow, J.L. (2004) <i>Trend</i> 2004) <i>Cancer Res</i> 64 et al. (2006) <i>Arterios</i> 3) <i>Int J Cancer</i> 106, (2000) <i>J Pathol</i> 190, (1994) <i>J Cell Biol</i> 129 (1994) <i>J Cell Biol</i> 129 (1995) <i>J Cell Sci</i> 52, 5 (1997) <i>Dig Dis Sci</i> 52, 5 (1997) <i>Cancer Biol Thei</i>	 Annu Rev Cell Dev Biol 23. Sci 1014, 155-63. ds Cell Biol 14, 427-34. 4373-7. cler Thromb Vasc Biol 26 172-7. 526-30. 1353-69. N Y Acad Sci 915, 136-43 81. 536-42. 6. r 14, 262-70. 	19, 207-35. 6, 1991-7. 8.		

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
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°C with gentle shaking, overnight.
Applications Key	W: Western Blotting
Cross-Reactivity Key	H: Human
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