e at -20C	E-Cadherin (32A8) Mouse mAb		Cell Signaling
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For Research Use Only.	Not for Use in Diagnostic Procedures.

Applications: WB, IP	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 135	Source/Isotype: Mouse IgG1	UniProt ID: #P12830	Entrez-Gene Id: 999		
Product Usage Information	W	<b>pplication</b> /estern Blotting nmunoprecipitation			<b>Dilution</b> 1:1000 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. Do not aliquot the antibody.						
Specificity / Sensitivity		E-Cadherin (32A8) Mouse mAb detects endogenous levels of total E-cadherin protein.						
Source / Purification		Monoclonal antibody is produced by immunizing animals with human cancer cell lines. E-Cadherin (32A8) Mouse mAb recognizes an epitope in the extracellular region of E-cadherin.						
Background	ap adl N-, cel cat cat Wh act of f in a cat cat cat cat cat cat cat cat cat ca	proximately 100 residu lhesion and play critical , P-, R-, B-, and E-cadf llular structure near the dherins interacts with $\beta$ - tenin associate with $\alpha$ - hile $\beta$ - and $\gamma$ -catenin pl- tivity and trafficking (1- many epithelial cancer addition to loss of E-ca dherin cooperates with esearch studies have sl rrelate with vascular pe	es in their extra l roles in norma herins, as well a e apical surface β-catenin, γ-cate catenin, which I ay structural rol 4). Investigators s (1-3). Researd dherin. This cha the FGF recep hown that in en- ermeability and herin, which is n	nbrane glycoproteins that cellular domain. Cadhe I tissue development (1) as about ten other memb of polarized epithelial cr enin (also called plakogl inks the cadherin-cateni es in the junctional com s consider E-cadherin au ch studies indicate that ange in cadherin expres tor, leading to overexpre dothelial cells, VE-cadhe tumor angiogenesis (5,6 formally present in epith	rins mediate calcium- d. The classic cadherin pers that are found in a ells. The cytoplasmic c obin), and p120 cateni n complex to the actin plex, p120 regulates c n active suppressor of cancer cells have upre sion is called the "cadh ession of MMP-9 and c erin signaling, express b). Investigators have a	ependent cell-cell subfamily includes adherens junctions, a lomain of classical n. β-catenin and γ- cytoskeleton (1,2). adherin adhesive invasion and growth gulated N-cadherin herin switch." N- ellular invasion (3). ion, and localization also demonstrated		
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. (2000) <i>J Pathol</i> 190, 526-30.</li> </ol>						
Species Reactivity	<b>/</b> Spe	ecies reactivity is deter	mined by testing	g in at least one approve	ed application (e.g., we	estern blot).		
Western Blot Buffe	••	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.						
Applications Key		WB: Western Blotting IP: Immunoprecipitation						
Cross-Reactivity k	X:>	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected						

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Limited Uses

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