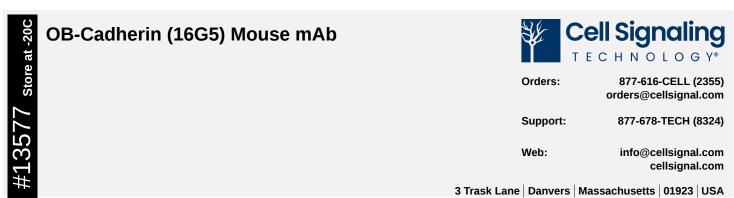
Revision 1

1/1/24, 3:24 PM



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

Applications: I VB, IF-IC, FC-FP, FC-L	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 120	Source/Isotype: Mouse IgG1	UniProt ID: #P55287	Entrez-Gene Id: 1009
Product Usage Information	٩	Application				Dilution
	V	Vestern Blotting				1:1000
	Ir	Immunofluorescence (Immunocytochemistry)				1:3200
	F	low Cytometry (Fixed	/Permeabilized)			1:3200
	F	low Cytometry (Live)				1:3200
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		OB-Cadherin (16G5) Mouse mAb recognizes endogenous levels of total OB-cadherin protein.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with recombinant protein containing the extracellular cadherin domain 1 of OB-cadherin fused to maltose binding protein.				
Background	ap ac N- ce ca ca W ac of in ca cf th cd th ot of th	pproximately 100 resid dhesion and play critic -, P-, R-, B-, and E-car ellular structure near the adherins interacts with a tenin associate with of the b- and y-catenin p crivity and trafficking (12 many epithelial cancer addition to loss of E-car adherin cooperates with esearch studies have prrelate with vascular p at expression of P-car her human cancers (7 B-cadherin (CDH11) i	lues in their extra al roles in normal dherins, as well a ne apical surface $\beta$ -catenin, y-cate a-catenin, which li blay structural role L-4). Investigators ers (1-3). Researc cadherin. This cha th the FGF recept shown that in end bermeability and the dherin, which is n ',8). s highly expressed the osteo-lineage	hbrane glycoproteins the cellular domain. Cadhe tissue development (1) s about ten other memil of polarized epithelial c inin (also called plakogi nks the cadherin-cateni es in the junctional com s consider E-cadherin a ch studies indicate that ange in cadherin express for, leading to overexpre dothelial cells, VE-cadhe umor angiogenesis (5,6 ormally present in epith d in osteoblastic cell line	rins mediate calcium- ins mediate calcium- bers that are found in ells. The cytoplasmic obin), and p120 cater in complex to the acti- plex, p120 regulates n active suppressor of cancer cells have up ssion is called the "ca ession of MMP-9 and erin signaling, expres 6). Investigators have elial cells, is also alter es (9). Its upregulation	dependent cell-cell in subfamily includes adherens junctions, a domain of classical nin. β-catenin and γ- n cytoskeleton (1,2). cadherin adhesive of invasion and growth regulated N-cadherin dherin switch." N- cellular invasion (3). ision, and localization also demonstrated ored in ovarian and
Background Referer	2. 3. 4. 5. 6. 7. 8. 9.	Christofori, G. (2003) Hazan, R.B. et al. (20 Bryant, D.M. and Stor Rabascio, C. et al. (2	EMBO J 22, 231 004) Ann N Y Aca w, J.L. (2004) Tre 004) Cancer Res al. (2006) Arterio 3) Int J Cancer 10 2000) J Pathol 19 94) J Biol Chem	d Sci 1014, 155-63. nds Cell Biol 14, 427-34 64, 4373-7. scler Thromb Vasc Biol 6, 172-7. 10, 526-30. 269, 12092-8.	4.	

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Species Reactivity** 

1/1/24, 3:24 PM Western Blot Buffer	OB-Cadherin (16G5) Mouse mAb (#13577) Datasheet Without Images Cell Signaling Technology 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 IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) FC-L: Flow Cytometry (Live)
Cross-Reactivity Key	<ul> <li>H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster</li> <li>X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse</li> <li>GP: Guinea Pig Rab: rabbit All: all species expected</li> </ul>
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