y-Catenin (D9M1Q) Rabbit mAb			echnology®	
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#	3 Trask L	ane Danvers I	Massachusetts 01923 USA	
For Research Use Only. Not for Use in Diagnostic Procedures.				
Applications: Reactiv WB, IP, IHC-P, IF-IC, H FC-FP	rity: Sensitivity: MW (kDa): Source/Isotype: Endogenous 83 Rabbit IgG	UniProt ID: #P14923	Entrez-Gene Id: 3728	
Product Usage Information	Application		Dilution	
mormation	Western Blotting		1:1000	
	Immunoprecipitation		1:50	
	Immunohistochemistry (Paraffin)		1:1000	
	Immunofluorescence (Immunocytochemistry)		1:50	
	Flow Cytometry (Fixed/Permeabilized)		1:100	
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody		glycerol and less than	
Specificity / Sensitivity	γ-Catenin (D9M1Q) Rabbit mAb recognizes endogenous levels o	of total y-Catenin	protein.	
Source / Purification	Monoclonal antibody is produced by immunizing animals with a s residues surrounding Pro725 of human γ-Catenin protein.	synthetic peptide	corresponding to	
Background	Also known as plakoglobin, y-catenin is a member of the Armadi includes β -catenin and the <i>Drosophila</i> protein armadillo (1). This signaling, which is important in embryonic development and in tu vertebrate proteins β - and y-catenin display sequence homology that of β -catenin (1, 4-6). y-catenin localizes to desmosomes and intercellular adhesion, and interacts with the cytoplasmic domain Interaction of y- or β -catenin with α -catenin, desmoplakin and oth between intercellular junctions and the actin and intermediate fila modification of this link is vital for control of cell adhesion and min phosphorylation, affecting both adhesion and β -catenin depende glycosylation, affecting adhesion (8). Recent evidence suggests adhesion in response to growth factor stimulation (9).	family of protein morigenesis (2-3 , y-catenin likely I adherens juncti s of classical and the junction protein ment cytoskeleting gration (1). y-cate nt transcription (s is involved in Wnt 3). Although the two plays a role distinct from ons, both sites of d desmosomal cadherins. eins provides a link on. Maintenance and/or enin is modified by 7), and by and O-	
Background References	 Zhurinsky, J. et al. (2000) <i>J Cell Sci</i> 113 (Pt 18), 3127-39. Wodarz, A. and Nusse, R. (1998) <i>Annu Rev Cell Dev Biol</i> 14, 4 Polakis, P. (1999) <i>Curr Opin Genet Dev</i> 9, 15-21. Zhurinsky, J. et al. (2000) <i>Mol Cell Biol</i> 20, 4238-52. Charpentier, E. et al. (2000) <i>J Cell Biol</i> 149, 503-20. Kolligs, F.T. et al. (2000) <i>Genes Dev</i> 14, 1319-31. Miravet, S. et al. (2003) <i>Mol Cell Biol</i> 23, 7391-402. Hu, P. et al. (2006) <i>J Biol Chem</i> 281, 12786-91. Yin, T. et al. (2005) <i>J Biol Chem</i> 280, 40355-63. 	59-88.		
Species Reactivity	Species reactivity is determined by testing in at least one approve	d application (e.	g., western blot).	
Western Blot Buffer	IMPORTANT: For western blots, incubate membrane with diluted 0.1% Tween® 20 at 4°C with gentle shaking, overnight.	primary antibody	r in 5% w/v BSA, 1X TBS,	
Applications Key	WB: Western Blotting IP: Immunoprecipitation IHC-P: Immunohis IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow			
Cross-Reactivity Key				

1/1/24, 7:17 AM	 γ-Catenin (D9M1Q) Rabbit mAb (#75550) Datasheet Without Images Cell Signaling Technology 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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