


<b>#2201</b> Store at -20C	Naked1 (C30F10) Rabbit mAb	
	<b>Orders:</b> 877-616-CELL (2355) orders@cellsignal.com	
	<b>Support:</b> 877-678-TECH (8324) <b>Web:</b> info@cellsignal.com cellsignal.com	
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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H	Endogenous	59, 61	Rabbit IgG	#Q969G9	85407
<b>Product Usage Information</b>	<b>Application</b>		<b>Dilution</b>			
	Western Blotting		1:1000			
	Immunoprecipitation		1:50			
<b>Storage</b>	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.					
<b>Specificity/Sensitivity</b>	Naked1 (C30F10) Rabbit mAb detects endogenous levels of total Naked1 protein.					
<b>Source / Purification</b>	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Leu53 of human Naked1.					
<b>Background</b>	Naked1 (Nkd1) and Naked2 (Nkd2) are homologs of Drosophila Naked cuticle, a negative regulator of Wnt/Wingless signaling pathway which functions through a feedback mechanism (1,2). Both Drosophila and vertebrate Naked proteins contain a putative calcium-binding EF-hand motif, however, Drosophila Naked binds to zinc instead of calcium (3). Naked inhibits the canonical Wnt/β-catenin pathway by binding to Dishevelled proteins and directs Dishevelled activity towards the planar cell polarity pathway (2,4). Naked1 is a direct target of Wnt signaling and is overexpressed in some colon tumors due to constitutive activation of Wnt/β-catenin pathway (5). Naked2 is myristoylated and is required for sorting of TGF-α to the basolateral plasma membrane of polarized epithelial cells (6).					
<b>Background References</b>	<ol style="list-style-type: none"> <li>Zeng, W. et al. (2000) <i>Nature</i> 403, 789-795.</li> <li>Wharton, K.A. et al. (2001) <i>Dev. Biol.</i> 234, 93-106.</li> <li>Rousset, R. et al. (2002) <i>J. Biol. Chem.</i> 277, 49019-49026.</li> <li>Yan, D. et al. (2001) <i>Proc. Natl. Acad. Sci. USA</i> 98, 3802-3807.</li> <li>Yan, D. et al. (2001) <i>Proc. Natl. Acad. Sci. USA</i> 98, 14973-14978.</li> <li>Li, C. et al. (2004) <i>Proc. Natl. Acad. Sci. USA</i> 101, 5571-5576.</li> </ol>					

<b>Species Reactivity</b>	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
<b>Western Blot Buffer</b>	<b>IMPORTANT:</b> 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.
<b>Applications Key</b>	<b>W:</b> Western Blotting <b>IP:</b> Immunoprecipitation
<b>Cross-Reactivity Key</b>	<b>H:</b> Human
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