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## CCN3 Antibody Cell Signaling 0rders: 877-616-CELL (2355) orders:@cellsignal.com Support: 877-678-TECH (8324) Web: info@cellsignal.com cellsignal.com 3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedure	es.
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Applications: W	<b>Reactivity:</b> H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 43	Source/Isotype: Rabbit	<b>UniProt ID:</b> #P48745	Entrez-Gene Id: 4856		
Product Usage Information		<b>Application</b> Western Blotting			Dilution 1:1000			
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.						
Specificity/Sen	sitivity	CCN3 Antibody recognizes endogenous levels of total CCN3 protein.						
Source / Purific	cation	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Arg118 of human CCN3 protein. Antibodies are purified by protein A and peptide affinity chromatography.						
Background		CCN3, also named NOV (Nephroblastoma overexressed), belongs to the CCN (Cyr61, Ctgf, NOV) family of proteins. It is a cystine-rich secretory protein that associates with components of the extracellular matrix. Like other CCN family members, CCN3 is capable of mediating diverse biological functions through its four distinct domains, which enable binding to numerous protein partners (1-5).						
		CCN3 modulates bone turnover through various mechanisms and is implicated in the progression of primary bone cancers such as osteosarcoma and chondrosarcoma (6-8). Research has shown that CCN3 is also involved in the bone metastasis of melanoma, breast cancer, and prostate cancers (9-11). Recently, CCN3 was reported to play an important role in stem cell renewal (12). CCN3 is normally expressed in both embryonic and adult tissues (13,14). The activity of CCN3 is influenced by post translational modifications and proteolytic cleavage (15,16).						
Background Re	eferences	<ol> <li>Perbal, B. (2001) <i>Mol Pathol</i> 54, 57-79.</li> <li>Brigstock, D.R. et al. (2003) <i>Mol Pathol</i> 56, 127-8.</li> <li>Leask, A. and Abraham, D.J. (2006) <i>J Cell Sci</i> 119, 4803-10.</li> <li>Yeger, H. and Perbal, B. (2007) <i>J Cell Commun Signal</i> 1, 159-64.</li> <li>McCallum, L. and Irvine, A.E. (2009) <i>Blood Rev</i> 23, 79-85.</li> <li>Perbal, B. et al. (2008) <i>Clin Cancer Res</i> 14, 701-9.</li> <li>Tzeng, H.E. et al. (2011) <i>J Cell Physiol</i> 226, 3181-9.</li> <li>Yang, W. et al. (2008) <i>Cancer Res</i> 68, 715-23.</li> <li>Ouellet, V. et al. (2011) <i>Am J Pathol</i> 178, 2377-88.</li> <li>Chen, P.C. et al. (2007) <i>Science</i> 316, 590-3.</li> <li>Burren, C.P. et al. (2007) <i>Science</i> 316, 590-3.</li> <li>Burren, C.P. et al. (2001) <i>Anat Embryol (Berl)</i> 203, 417-27.</li> <li>Perbal, B. et al. (2001) <i>Mol Pathol</i> 54, 184-91.</li> </ol>						
Species Reactiv	vity	Species reactivity is de	termined by testin	g in at least one approve	ed application (e.g.,	western blot).		
Western Blot B	Suffer		ANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat , 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.					
Applications K	ey	W: Western Blotting						
Cross-Reactivit	су Кеу	H: Human M: Mouse F	H: Human M: Mouse R: Rat Mk: Monkey					
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