## BMP6 (Precursor Specific) (D2V5Z) Rabbit



Orders: 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 Procedures.

<b>Applications:</b> W, IP	Reactivity: H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 55-65	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P22004	Entrez-Gene Id: 654
Product Usage Information		Application Western Blotting Immunoprecipitation			<b>Dilution</b> 1:1000 1:50	
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		BMP6 (Precursor Specific) (D2V5Z) Rabbit mAb recognizes endogenous levels of total precursor BMP6 protein. This antibody does not recognize mature BMP6 protein. This antibody also recognizes an unknown protein with a 26 kDa molecular weight.				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gln173 of human BMP6 protein.				
Background		and cartilage formatio during development (3 to release the C-termir containing type I and t Smad1, 5, and 8), resul activate MAPK pathwa BMP6 plays a critical ro studies have shown th	n (1,2). BMPs belo B). BMPs are synth hal mature BMP. B type II serine/threo lting in the translo ys in some system ble in iron metabo at hypermethylati	ere first identified as mol ng to the TGF-β superfar esized as precursor proto MPs initiate signaling by onine receptor kinases th cation of Smad into the o is (3,4). lism, ovulation, and aldo on of the BMP6 gene proto to tumor growth and pro	nily, playing many of eins and then proce binding to a recept nat then phosphory nucleus. BMP was a sterone production omoter decreases it	diverse functions essed by cleavage for complex elate Smad (mainly elso reported to  (5-7). Recent
Background References		<ol> <li>Wang, E.A. et al. (1988) <i>Proc Natl Acad Sci USA</i> 85, 9484-8.</li> <li>Wozney, J.M. et al. (1988) <i>Science</i> 242, 1528-34.</li> <li>Kawabata, M. et al. (1998) <i>Cytokine Growth Factor Rev</i> 9, 49-61.</li> <li>Nohe, A. et al. (2004) <i>Cell Signal</i> 16, 291-9.</li> <li>Roth, M.P. and Coppin, H. (2009) <i>Med Sci (Paris)</i> 25, 678-80.</li> <li>Inagaki, K. et al. (2006) <i>Endocrinology</i> 147, 2681-9.</li> <li>Akiyama, I. et al. (2014) <i>Reprod Sci</i> 21, 772-7.</li> <li>Hashida, Y. et al. (2012) <i>Oncol Rep</i> 27, 825-30.</li> <li>Liu, G. et al. (2014) <i>Oncol Rep</i> 32, 581-8.</li> <li>He, Y. et al. (2014) <i>PLoS One</i> 9, e87994.</li> <li>Sangplod, P. et al. (2014) <i>Asian Pac J Cancer Prev</i> 15, 7091-5.</li> </ol>				
Species Reacti	vity	Species reactivity is de	termined by testir	ng in at least one approve	ed application (e.g.,	western blot).
Western Blot Buffer		IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat				

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key W: Western Blotting IP: Immunoprecipitation

Cross-Reactivity Key H: Human

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