#70583 store at -20C

## BMP6 (Precursor Specific) (D2V5Z) Rabbit mAb



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> WB, IP	Reactivity: H	Sensitivity: Endogenous	<b>MW (kDa):</b> 55-65	Source/Isotype: Rabbit IgG	UniProt ID: #P22004	Entrez-Gene Id: 654	
Product Usage Information	Αŗ	pplication			Dilution		
	W	estern Blotting			1:1000		
	Im	munoprecipitation			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 $-20^{\circ}$ 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	car dev the typo in tl sys BM hav	tilage formation (1,2) relopment (3). BMPs C-terminal mature E e II serine/threonine translocation of Stems (3,4). P6 plays a critical rove shown that hyperr	b). BMPs belong to are synthesized BMP. BMPs initiat receptor kinases mad into the nuc- le in iron metabo nethylation of the	ere first identified as mo to the TGF-β superfamily as precursor proteins a e signaling by binding to that then phosphorylate leus. BMP was also rep lism, ovulation, and aldo e BMP6 gene promoter of a and progression (8-11)	r, playing many divers nd then processed by a receptor complex of Smad (mainly Smad orted to activate MAP osterone production (5 decreases its express	e functions during cleavage to release containing type I and 1, 5, and 8), resulting K pathways in some 5-7). Recent studies	
Background Refere	1. Wang, E.A. et al. (1988) <i>Proc Natl Acad Sci USA</i> 85, 9484-8. 2. Wozney, J.M. et al. (1988) <i>Science</i> 242, 1528-34. 3. Kawabata, M. et al. (1998) <i>Cytokine Growth Factor Rev</i> 9, 49-61. 4. Nohe, A. et al. (2004) <i>Cell Signal</i> 16, 291-9. 5. Roth, M.P. and Coppin, H. (2009) <i>Med Sci (Paris)</i> 25, 678-80. 6. Inagaki, K. et al. (2006) <i>Endocrinology</i> 147, 2681-9. 7. Akiyama, I. et al. (2014) <i>Reprod Sci</i> 21, 772-7. 8. Hashida, Y. et al. (2012) <i>Oncol Rep</i> 27, 825-30. 9. Liu, G. et al. (2014) <i>PLoS One</i> 9, e87994. 11. Sangplod, P. et al. (2014) <i>Asian Pac J Cancer Prev</i> 15, 7091-5.						

**Species Reactivity** 

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

**Western Blot Buffer** 

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

**Applications Key** 

WB: Western Blotting IP: Immunoprecipitation

**Cross-Reactivity Key** 

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

Trademarks and Patents

Cell Signaling Technology is a trademark of Cell Signaling Technology, Inc.

XP is a registered trademark of Cell Signaling Technology, Inc.

All other trademarks are the property of their respective owners. Visit cellsignal.com/trademarks for more information

## **Limited Uses**

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.