



BMP7 Polyclonal Antibody

E90697

- Catalog Number:** E90697
- Amount:** 100ul
- Background:** Bone morphogenetic proteins (BMPs) were first identified as molecules that can induce ectopic bone and cartilage formation (1,2). BMPs belongs to the TGF- β superfamily, playing many diverse functions during development (3). BMPs are synthesized as precursor proteins and then processed by cleavage to release the c-terminal mature BMP. BMPs initiate signaling by binding to a receptor complex containing type I and type II serine/threonine receptor kinases that then phosphorylate Smad (mainly Smad1, 5 and 8), resulting the translocation of Smad into the nucleus. BMP was also reported to activate MAPK pathways in some systems (3,4).
- Species:** Rabbit
- Isotype:** IgG
- Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Synonyms:** BMP7;OP-1 ;
- Immunogen:** Recombinant protein of human BMP7
- Purification:** Affinity purification
- Reactivity:** H M R
- Applications:** WB
- Molecular Weight:** 49kDa
- Swiss-Prot No. :** P18075
- Gene ID:** 655
- References:** 1. Wang, E.A. et al. (1988) Proc Natl Acad Sci USA 85, 9484-8. 2. Wozney, J.M. et al. (1988) Science 242, 1528-34. 3. Kawabata, M. et al. (1998) Cytokine Growth Factor Rev 9, 49-61. 4. Nohe, A. et al. (2004) Cell Signal 16, 291-9. 5. Yang, S. et al. (2005) Cancer Res 65, 5769-77. 6. Alarmo, E.L. et al. (2006) Genes Chromosomes Cancer 45, 411-9. 7. Motoyama, K. et al. (2008) Ann Surg Oncol 15, 1530-7. 8. Buijs, J.T. et al. (2007) Cancer Res 67, 8742-51. 9. Buijs, J.T. et al. (2007) Am J Pathol 171, 1047-57.

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