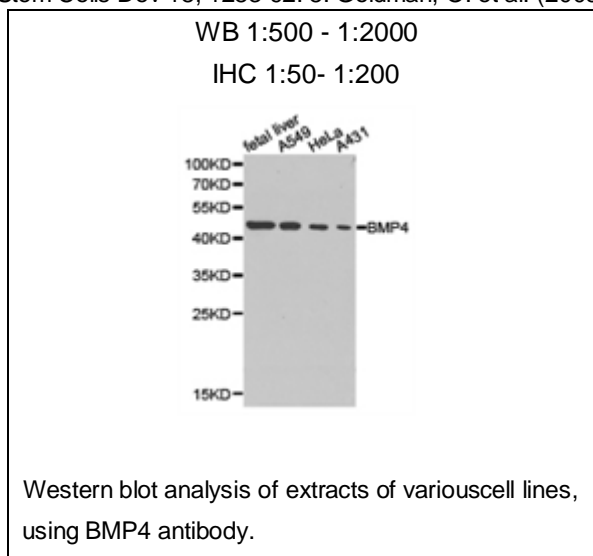




E91565

## BMP4 Polyclonal Antibody

- Catalog Number:** E91565  
**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- $\beta$  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:** BMP2B; BMP2B1; MCOPS6; ZYME;  
**Immunogen:** Recombinant protein of human BMP4  
**Purification:** Affinity purification  
**Reactivity:** H M R  
**Applications:** WB IHC  
**Molecular Weight:** 47kDa  
**Swiss-Prot No. :** P12644  
**Gene ID:** 652  
**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. Dunn, N.R. et al. (1997) Dev Biol 188, 235-47. 6. Nakayama, N. et al. (2000) Blood 95, 2275-83. 7. Solmesky, L.J. et al. (2009) Stem Cells Dev 18, 1283-92. 8. Goldman, O. et al. (2009) Stem Cells 27, 1750-9.



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