ELK Biotechnology

BMP-4 rabbit pAb

Cat No.:ES20285

For research use only

Overview

Product Name	BMP-4 rabbit pAb
Host species	Rabbit
Applications	WB; ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:1000-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from human BMP-4 AA range: 261-310
Specificity	This antibody detects endogenous levels of Human BMP-4
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20℃. Avoid repeated freeze-thaw cycles.
Protein Name	BMP-4
Gene Name	BMP4 BMP2B DVR4
Cellular localization	Secreted, extracellular space, extracellular matrix.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	652
Human Swiss-Prot Number	P12644
Alternative Names	Bone morphogenetic protein 4 (BMP-4;Bone morphogenetic protein 2B;BMP-2B)
Background	disease:Defects in BMP4 are the cause of microphthalmia syndromic type 6 (MCOPS6) [MIM:607932]; also known as microphthalmia and pituitary anomalies or microphthalmia with brain and digit developmental anomalies. Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues

(anophthalmia). In many cases, microphthalmia/anophthalmia occurs in association with syndromes that include non-ocular abnormalities. MCOPS6 is characterized by microphthalmia/anophthalmia associated with facial, genital, skeletal, neurologic and endocrine anomalies.,function:Induces cartilage and bone formation. Also act in mesoderm induction, tooth development, limb formation and fracture repair.,online information:Bone morphogenetic protein 4 entry,similarity:Belongs to the TGF-beta family.,subunit:Homodimer; disulfide-linked (By similarity). Interacts with GREM2 (By similarity) and SOSTDC1. Part of a complex consisting of TWSG1 and CHRD.,tissue specificity:Expressed in the lung and lower levels seen in the kidney. Present also in normal and neoplastic prostate tissues, and prostate cancer cell lines.,