



Rabbit Anti-Human BMP4 Polyclonal antibody (CPBT-28991RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	BMP4 fusion protein, sequence: ASLIPETGKKKVAEIQGHAGGRRSGQSHELLRDFEATLLQMFGRLRRRPQPSKSAVIPDYM RDLYRLQSGEEEEQIHSTGLEYPERPASRANTVRSFHHEEHLENIPGTSENSAFRFLFN LSSIPENEAISSAELRLFREQVDQGPDWERGFRINIYEVMPKPAEVPVPGHLITRLLDTR LVHHNVTRWETFDVSPAVLRWTREKQPNYGLAIEVTHLHQTRTHQGQHVRISRSLPQGS NWAQLRPLLVTFGHDGRGHALTRRRRAKRSPKHHSQRARKKNKNCRRHSLYVDFSDVGWN DWIVAPPGYQAFYCHGDCPFPLADHLNSTNHAIVQTLVNSVNSSIPKACCVPTLSAISM LYLDEYDKVVLKNYQEMVVEGCGCR (C-term-386aa encoded by BC020546)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB, IHC, ELISA
Positive Control	mouse heart tissue, rat heart tissue
Format	Liquid
Size	50 µl, 100 µl
Buffer	PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Preservative	0.1% Sodium Azide

Storage

Store at -20°C. Aliquoting is unnecessary for -20°C storage.

BACKGROUND

Introduction

The protein encoded by this gene is a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily. The superfamily includes large families of growth and differentiation factors. Bone morphogenetic proteins were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. This particular family member plays an important role in the onset of endochondral bone formation in humans, and a reduction in expression has been associated with a variety of bone diseases, including the heritable disorder Fibrodysplasia Ossificans Progressiva. Alternative splicing in the 5 untranslated region of this gene has been described and three variants are described, all encoding an identical protein.

Keywords

BMP4; bone morphogenetic protein 4; ZYME; BMP2B; OFC11; BMP2B1; MCOPS6; BMP-4; BMP-2B; bone morphogenetic protein 2B;

GENE INFORMATION

Entrez Gene ID

[652](#)

UniProt ID

[P12644](#)
