

10-6547: Mouse Monoclonal Antibody to BMP4 (Clone: 192CT7.2.6)(Discontinued)

Clonality :	Monoclonal
Clone Name :	192CT7.2.6
Application :	WB
Reactivity :	Human
Gene :	BMP4
Gene ID :	652
Uniprot ID :	P12644
Format :	Purified
Alternative Name :	Bone morphogenetic protein 4, BMP-4, Bone morphogenetic protein 2B, BMP-2B, BMP4, BMP2B, DVR4
Isotype :	Mouse IgM,Kappa
Immunogen Information :	Recombinant Protein

Description

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.

Product Info

Amount :	80 µl / 400 µl
Content :	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.
Storage condition :	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term store at -20°C in small aliquots to prevent freeze-thaw cycles.

Application Note

WB~1:100~500

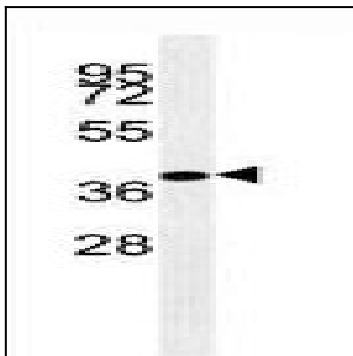


Figure 1: Western blot analysis of BMP4 Antibody (10-6547) in ZR-75-1 cell line lysates (35µg/lane). This demonstrates the BMP4 antibody detected the BMP4 protein.