
Product Name: BMP4 Mouse Monoclonal Antibody**Catalog #: AMM81584**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,ELISA
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC 1:100-1:500,ELISA 1:5000-1:20000
Molecular Weight	46.5kDa

Antigen Information

Gene Name	BMP4
Alternative Names	ZYME; BMP2B; OFC11; BMP2B1; MCOPS6
Gene ID	652.0
SwissProt ID	P12644
Immunogen	Purified recombinant fragment of human BMP4 (AA: 277-408) expressed in E. Coli.

Background

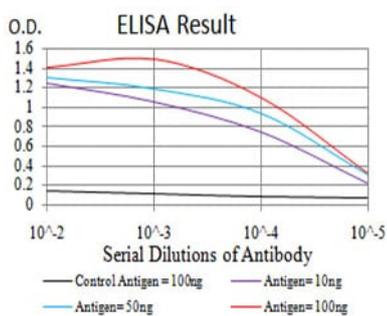
The protein encoded by this gene is a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily. The superfamily includes large families of growth and differentiation factors. Bone morphogenetic proteins were originally identified by an ability of demineralized bone extract to induce endochondral

osteogenesis in vivo in an extraskelatal 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.

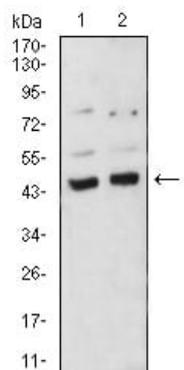
Research Area

TGF-beta signaling pathway

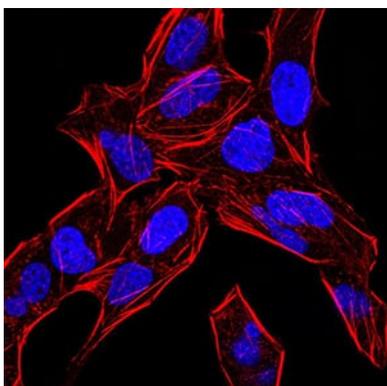
Image Data



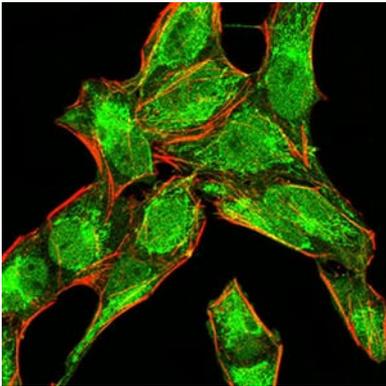
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using BMP4 mouse mAb against A549 (1) and C6 (2) cell lysate.



Immunofluorescence analysis of HeLa cells using BMP4 mouse mAb. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Immunofluorescence analysis of HeLa cells using BMP4 mouse mAb (green). Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.