

Datasheet for ABIN5542286
anti-BMP4 antibody (AA 277-408)



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7 Images

Overview

Quantity:	100 µL
Target:	BMP4
Binding Specificity:	AA 277-408
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BMP4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	BMP4 Antibody
Immunogen:	Purified recombinant fragment of human BMP4 (AA: 277-408) expressed in E. Coli.
Clone:	3C11C7
Isotype:	IgG1
Purification:	Purified antibody

Target Details

Target:	BMP4
Alternative Name:	BMP4 (BMP4 Products)
Background:	Description: The protein encoded by this gene is a member of the bone morphogenetic protein

Target Details

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.

Aliases: ZYME, BMP2B, OFC11, BMP2B1, MCOPS6

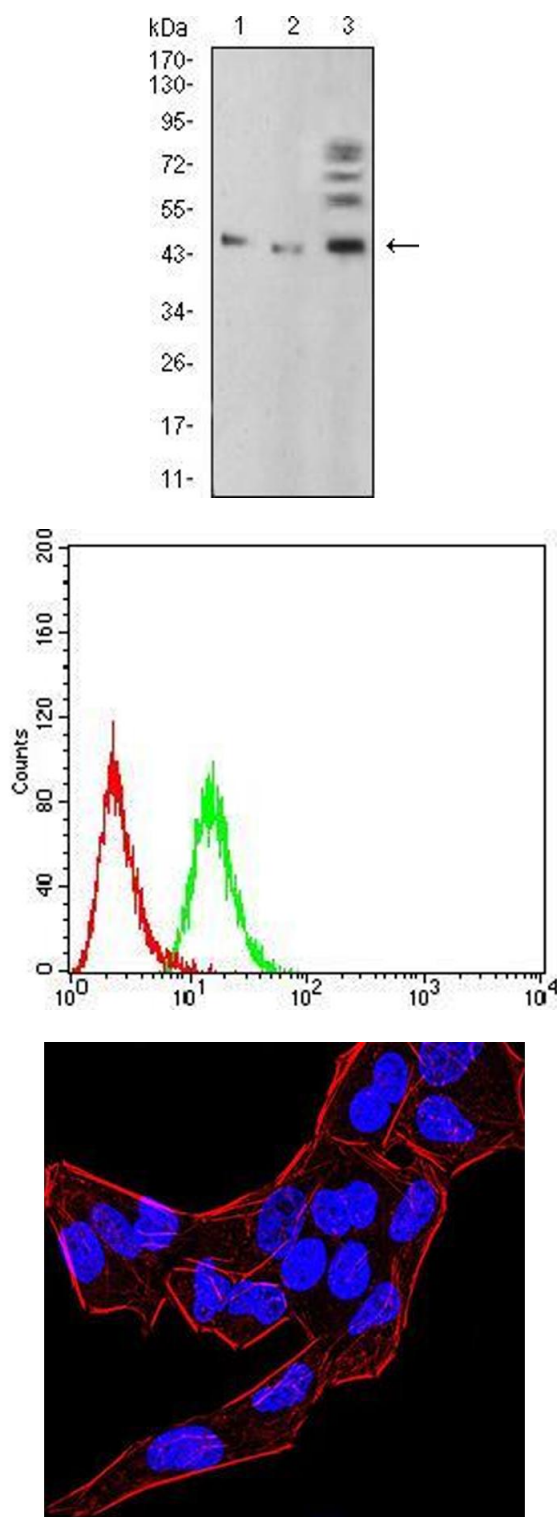
Molecular Weight:	46.5kDa
Gene ID:	652
HGNC:	652
UniProt:	P12644
Pathways:	Steroid Hormone Mediated Signaling Pathway , Regulation of Muscle Cell Differentiation , Tube Formation , Skeletal Muscle Fiber Development

Application Details

Application Notes:	ELISA: 1/10000 FCM: 1/200 - 1/400 ICC: 1/100 - 1/500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.



Western Blotting

Image 1. Western blot analysis using BMP4 mouse mAb against A549 (1), HepG2 (2), and C6 (3) cell lysate.

Flow Cytometry

Image 2. Flow cytometric analysis of Hela cells using BMP4 mouse mAb (green) and negative control (red).

Immunofluorescence

Image 3. 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.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN5542286.