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Datasheet for ABIN5542285
anti-BMP4 antibody (AA 277-408)

6 Images

Overview

Quantity:	0.1 mg
Target:	BMP4
Binding Specificity:	AA 277-408
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BMP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human BMP4 (AA: 277-408) expressed in E. coli.
Clone:	3C11H8
Isotype:	IgG1
Purification:	purified

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: 46.5 kDa

Gene ID: 652

HGNC: 652

Pathways: [Steroid Hormone Mediated Signaling Pathway](#), [Regulation of Muscle Cell Differentiation](#), [Tube Formation](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: , ICC: 1:100 - 1:500, FCM:

Restrictions: For Research Use only

Handling

Format: Liquid

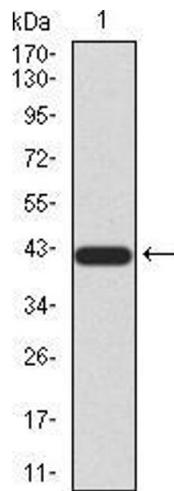
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

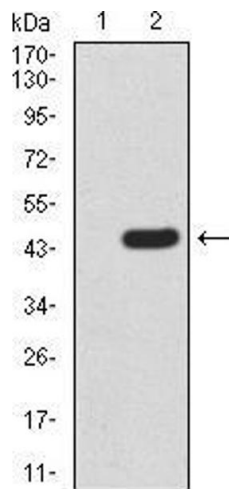
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



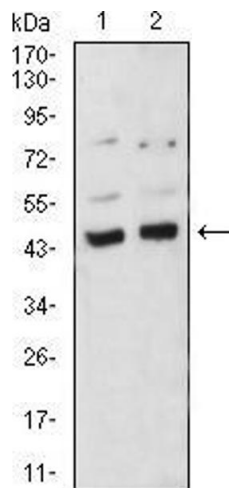
Western Blotting

Image 1. Western blot analysis using BMP4 mAb against human BMP4 (AA: 277-408) recombinant protein. (Expected MW is 41 kDa)



Western Blotting

Image 2. Western blot analysis using BMP4 mAb against HEK293 (1) and BMP4 (AA: 277-408)-hlgGfc transfected HEK293 (2) cell lysate.



Western Blotting

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

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN5542285.