

Datasheet for ABIN2854884  
**anti-BMP4 antibody (C-Term)**

6 Images

1 Publication

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## Overview

Quantity:	100 µL
Target:	BMP4
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human BMP4. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to BMP4 (bone morphogenetic protein 4) BMP4 antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	BMP4
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## Target Details

Alternative Name:	bone morphogenetic protein 4 ( <a href="#">BMP4 Products</a> )
Background:	<p>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.</p> <p>Cellular Localization: Secreted , extracellular space , extracellular matrix</p>
Molecular Weight:	47 kDa
Gene ID:	652
UniProt:	<a href="#">P12644</a>
Pathways:	<a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Tube Formation</a> , <a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	WB: 1:500-1:10000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: BMP4-transfected 293T Validation: Orthogonal, Overexpression
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	2.02 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

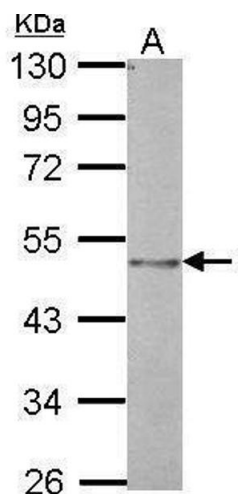
Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

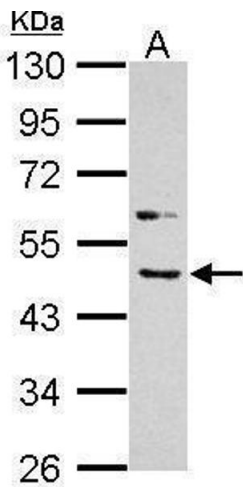
Product cited in:	Wu, Yen, Kou, Wu: "Luteolin and Apigenin Attenuate 4-Hydroxy-2-Nonenal-Mediated Cell Death through Modulation of UPR, Nrf2-ARE and MAPK Pathways in PC12 Cells." in: <b>PLoS ONE</b> , Vol. 10, Issue 6, pp. e0130599, (2016) ( <a href="#">PubMed</a> ).
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Validation report #104426 for Immunohistochemistry (IHC)



**Western Blotting**

**Image 1.** WB Image Sample (30 ug of whole cell lysate) A: NIH-3T3 10% SDS PAGE antibody diluted at 1:1000



**Western Blotting**

**Image 2.** WB Image Sample (30 ug of whole cell lysate) A: A431 10% SDS PAGE antibody diluted at 1:1000



#### Immunofluorescence

**Image 3.** ICC/IF Image Immunofluorescence analysis of methanol-fixed HeLa, using BMP4, antibody at 1:200 dilution.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2854884.