



Datasheet for ABIN3030177
anti-BMP4 antibody (AA 5-34)



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5 Images

Overview

Quantity:	0.4 mL
Target:	BMP4
Binding Specificity:	AA 5-34
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A portion of amino acids 5-34 from the human protein was used as the immunogen for this BMP4 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Bovine, Rabbit
Purification:	Purified

Target Details

Target:	BMP4
Alternative Name:	BMP4 (BMP4 Products)
Background:	Bmp4 is a member of the bone morphogenetic protein family which is part of the transforming

Target Details

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.

UniProt: [P12644](#)

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

Application Details

Application Notes: Titration of the BMP4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

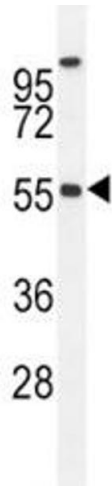
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

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

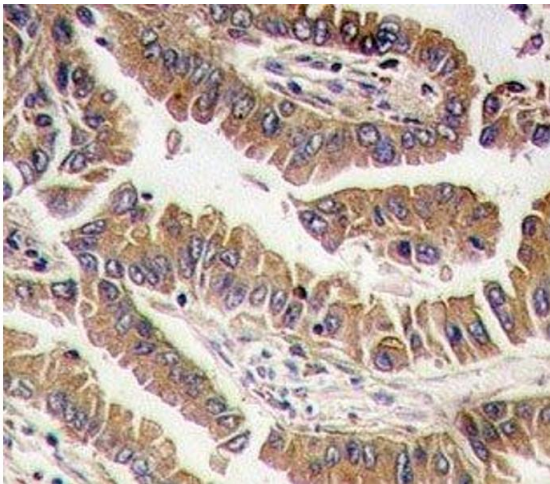
Storage: -20 °C

Storage Comment: Aliquot the BMP4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



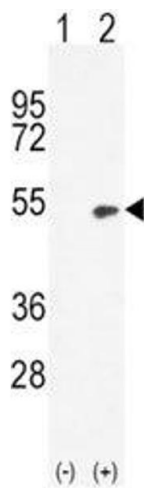
Western Blotting

Image 1. BMP4 antibody western blot analysis in MDA-MB435 lysate. Predicted molecular weight: 54 kDa (precursor), 44 kDa (cleaved dimer), 23 kDa (cleaved monomer).



Immunohistochemistry

Image 2. IHC analysis of FFPE human lung carcinoma tissue stained with BMP4 antibody



Western Blotting

Image 3. Western blot analysis of BMP4 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (2) with the BMP4 gene.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3030177.