

# Anti-BMP4 antibody ab155033

**4 References**   [4 图像](#)

### 概述

产品名称	Anti-BMP4抗体
描述	兔多克隆抗体to BMP4
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Mouse, Human
免疫原	Recombinant fragment corresponding to a region within amino acids 1-287 of Human BMP4 (UniProt ID: P12644).
阳性对照	Recombinant Human BMP4 protein ( <a href="#">ab92855</a> ) can be used as a positive control in WB. A549, NIH3T3 and JC whole cell lysates; HeLa cells; Human MDA-MB468 xenograft tissue
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.00</p> <p>Preservative: 0.025% Proclin 300</p> <p>Constituents: 78% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)</p>
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

### 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用ab155033于以下的经测试应用

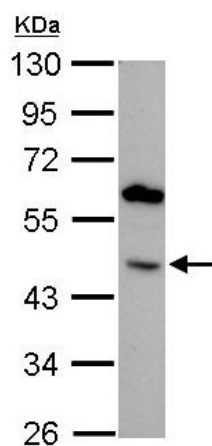
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/500 - 1/3000. Predicted molecular weight: 47 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/1000.

## 靶标

功能	Induces cartilage and bone formation. Also act in mesoderm induction, tooth development, limb formation and fracture repair. Acts in concert with PTHLH/PTHRP to stimulate ductal outgrowth during embryonic mammary development and to inhibit hair follicle induction.
组织特异性	Expressed in the lung and lower levels seen in the kidney. Present also in normal and neoplastic prostate tissues, and prostate cancer cell lines.
疾病相关	<p>Defects in BMP4 are the cause of microphthalmia syndromic type 6 (MCOPS6) [MIM:607932]; also known as microphthalmia and pituitary anomalies or microphthalmia with brain and digit developmental anomalies. Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues (anophthalmia). In many cases, microphthalmia/anophthalmia occurs in association with syndromes that include non-ocular abnormalities. MCOPS6 is characterized by microphthalmia/anophthalmia associated with facial, genital, skeletal, neurologic and endocrine anomalies.</p> <p>Defects in BMP4 are the cause of non-syndromic orofacial cleft type 11 (OFC11) [MIM:600625]. Non-syndromic orofacial cleft is a common birth defect consisting of cleft lips with or without cleft palate. Cleft lips are associated with cleft palate in two-third of cases. A cleft lip can occur on one or both sides and range in severity from a simple notch in the upper lip to a complete opening in the lip extending into the floor of the nostril and involving the upper gum. OFC11 is an unusual anomaly consisting of a paramedian scar of the upper lip with an appearance suggesting that a typical cleft lip was corrected in utero.</p>
序列相似性	Belongs to the TGF-beta family.
细胞定位	Secreted > extracellular space > extracellular matrix.

## 图片

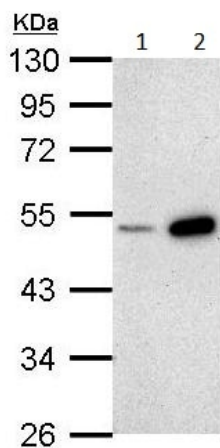


Western blot - Anti-BMP4 antibody (ab155033)

Anti-BMP4 antibody (ab155033) at 1/1000 dilution + A549 whole cell lysates at 30 µg

**Predicted band size:** 47 kDa

10% SDS-PAGE



Western blot - Anti-BMP4 antibody (ab155033)

**All lanes :** Anti-BMP4 antibody (ab155033) at 1/1000 dilution

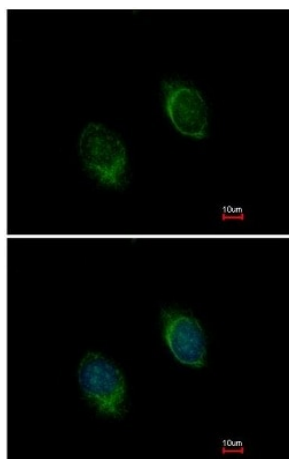
**Lane 1 :** NIH3T3 whole cell lysates

**Lane 2 :** JC whole cell lysates

Lysates/proteins at 30 µg per lane.

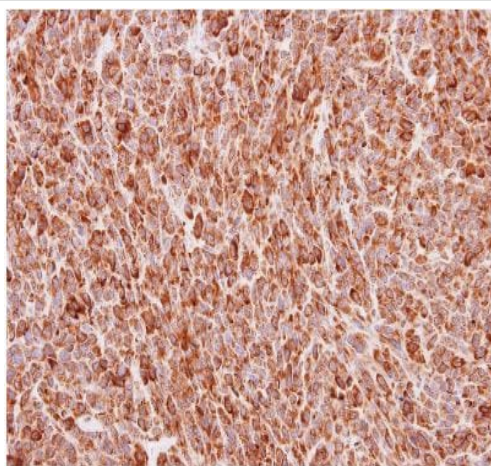
**Predicted band size:** 47 kDa

10% SDS-PAGE



Immunofluorescence analysis of methanol fixed HeLa cells, labeling BMP4 using ab155033 at 1/100 dilution. Lower image costained with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-BMP4 antibody (ab155033)



Immunohistochemical analysis of paraffin embedded Human MDA-MB468 xenograft tissue, labeling BMP4 using ab155033 at 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BMP4 antibody (ab155033)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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