

# Anti-BMP7 antibody [EPR5897] ab129156

重组 RabMAb

[1 Abreviews](#) [8 References](#) [6 图像](#)

### 概述

产品名称	Anti-BMP7抗体[EPR5897]
描述	兔单克隆抗体[EPR5897] to BMP7
宿主	Rabbit
经测试应用	<b>适用于:</b> WB, IP <b>不适用于:</b> ICC/IF or IHC-P
种属反应性	<b>与反应:</b> Mouse, Rat, Human
免疫原	Synthetic peptide within Human BMP7 aa 300-400. The exact sequence is proprietary.
阳性对照	WB: Rat and mouse kidney lysate, Fetal kidney, Human prostate and HT-1376 lysates; recombinant Osteogenic Growth Peptide IP: MCF7 whole cell lysate
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR5897

## 应用

## The Abpromise guarantee

**Abpromise™** 承诺保证使用 ab129156 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		1/1000 - 1/10000. Predicted molecular weight: 49 kDa.
IP		1/150. <b>For unpurified use at 1/10 - 1/100.</b>

## 应用说明

Is unsuitable for ICC/IF or IHC-P.

## 靶标

## 功能

Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis.

## 组织特异性

Expressed in the kidney and bladder. Lower levels seen in the brain.

## 序列相似性

Belongs to the TGF-beta family.

## 发展阶段

Expressed in the developing eye, brain and ear during embryogenesis.

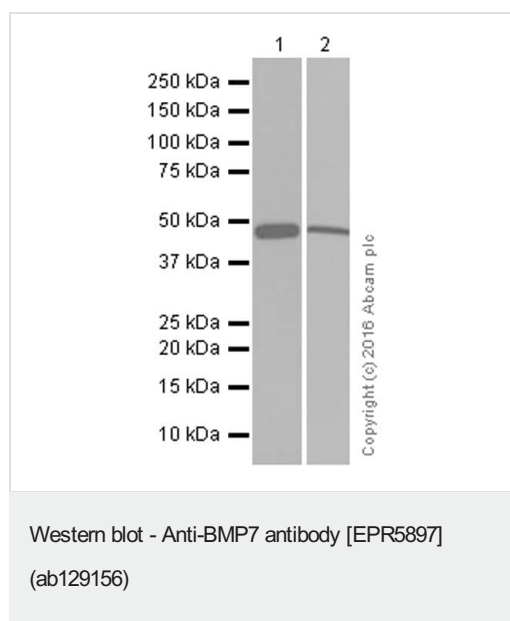
## 翻译后修饰

Several N-termini starting at positions 293, 300, 315 and 316 have been identified by direct sequencing resulting in secretion of different mature forms (PubMed:17977014).

## 细胞定位

Secreted.

## 图片



**All lanes :** Anti-BMP7 antibody [EPR5897] (ab129156) at 1/5000 dilution (purified)

**Lane 1 :** Rat kidney lysate

**Lane 2 :** Mouse kidney lysate

Lysates/proteins at 20 µg per lane.

**Secondary**

**All lanes :** Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/2000 dilution

**Predicted band size:** 49 kDa

**Observed band size:** 49 kDa

Blocking/Diluting buffer 5% NFDm/TBST

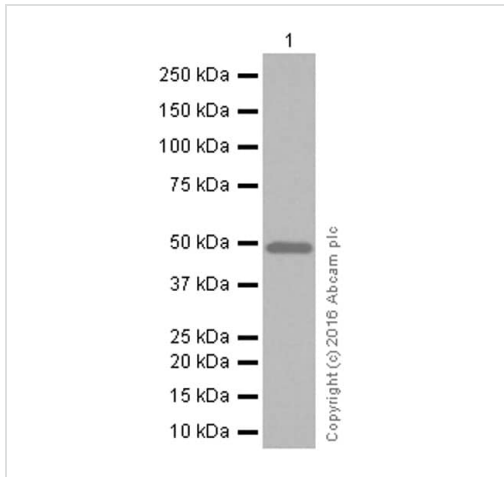
Anti-BMP7 antibody [EPR5897] (ab129156) at 1/1000 dilution (purified) + MCF7 (Human breast adenocarcinoma cell line) whole cell lysate at 1/15 dilution

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 49 kDa

**Observed band size:** 49 kDa



Western blot - Anti-BMP7 antibody [EPR5897] (ab129156)

Blocking/Diluting buffer 5% NFDm/TBST

Purified ab129156 at 1/150 immunoprecipitating BMP7 in MCF7 (Human breast adenocarcinoma cell line) whole cell lysate observed at 49 kDa (lanes 1 and 2).

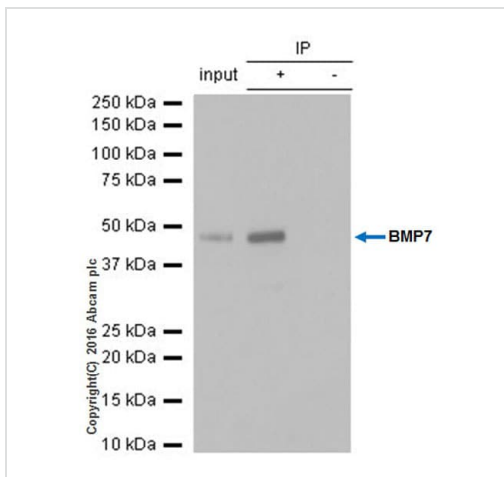
**Lane 1 (input):** MCF7 whole cell lysate 10µg

**Lane 2 (+):** ab129156 + MCF7 whole cell lysate.

**Lane 3 (-):** Rabbit monoclonal IgG ([ab172730](#)) instead of ab129156 in MCF7 whole cell lysate

For western blotting, ab129156 at 1/150 dilution and VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

Blocking and Diluting buffer and concentration: 5% NFDm/TBST.



Immunoprecipitation - Anti-BMP7 antibody [EPR5897] (ab129156)

**All lanes :** Anti-BMP7 antibody [EPR5897] (ab129156) at 1/1000 dilution (unpurified)

**Lane 1 :** Fetal kidney lysate

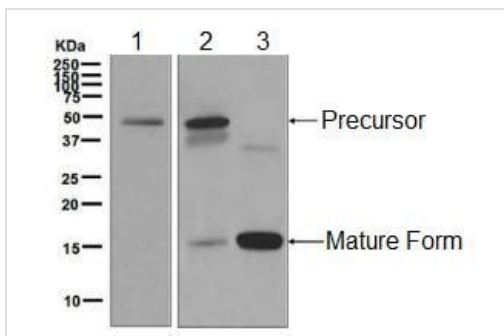
**Lane 2 :** Human prostate lysate

**Lane 3 :** HT-1376 lysate

Lysates/proteins at 10 µg per lane.

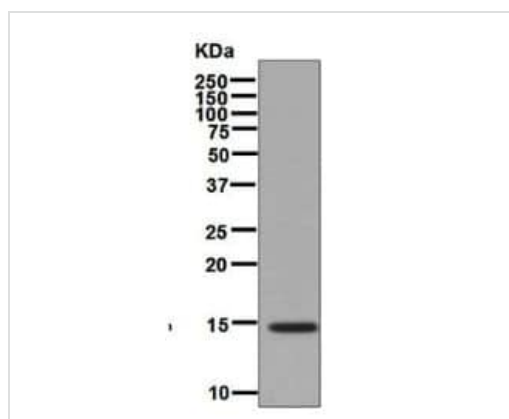
### Secondary

**All lanes :** HRP labelled goat anti-rabbit at 1/2000 dilution



Western blot - Anti-BMP7 antibody [EPR5897] (ab129156)

**Predicted band size:** 49 kDa



Western blot - Anti-BMP7 antibody [EPR5897]  
(ab129156)

Anti-BMP7 antibody [EPR5897] (ab129156) at 1/1000 dilution  
(unpurified) + recombinant Human BMP7 (amino acids 316 - 431)  
at 0.01 µg

**Secondary**

Goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size:** 49 kDa

The recombinant peptide should give a band of approximately 13.7 kDa.

Why choose a recombinant antibody?

<p><b>Research with confidence</b> Consistent and reproducible results</p>	<p><b>Long-term and scalable supply</b> Recombinant technology</p>
<p><b>Success from the first experiment</b> Confirmed specificity</p>	<p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-BMP7 antibody [EPR5897] (ab129156)

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

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors