

## Product datasheet

# Anti-BMP9 antibody ab35088

★★★★★ 2 Abreviews 5 References 2 图像

### 概述

<b>产品名称</b>	Anti-BMP9抗体
<b>描述</b>	兔多克隆抗体to BMP9
<b>宿主</b>	Rabbit
<b>经测试应用</b>	<b>适用于:</b> ELISA, IHC-P, ICC/IF, WB, IHC-Fr
<b>种属反应性</b>	<b>与反应:</b> Rat, Human <b>预测可用于:</b> Mouse, Dog, Chimpanzee, Macaque monkey
<b>免疫原</b>	Synthetic peptide: CKDDMGVPTLKYH , corresponding to amino acids 87-98 of Human BMP9 (corresponding to amino acids 406-417 of the full length propeptide)  <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>

### 性能

<b>形式</b>	Liquid
<b>存放说明</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>存储溶液</b>	Preservative: 0.1% Sodium Azide Constituents: PBS, pH 7.2
<b>纯度</b>	Protein G purified
<b>纯化说明</b>	Ammonium Sulphate fractionation.
<b>克隆</b>	多克隆
<b>同种型</b>	IgG

### 应用

Our [Abpromise guarantee](#) covers the use of **ab35088** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ELISA		1/50 - 1/200.
IHC-P		Use at an assay dependent concentration.
ICC/IF	★★★★★	1/500.
WB	★★★★★	Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration. PubMed: 20065063

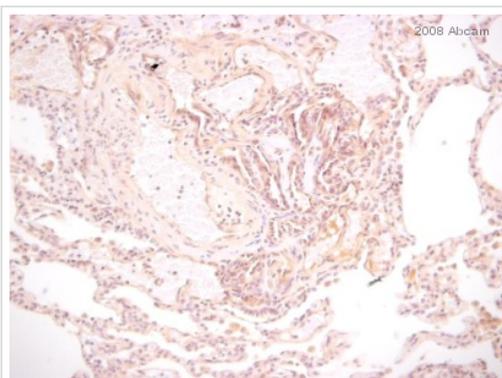
## 靶标

**相关性**

BMP9 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. They are regulators of cell growth and differentiation. BMP9 has a role in the maturation of BFCN (basal forebrain cholinergic neurons) also inducing and maintaining the ability of these cells to respond to acetylcholine; BFCN are important for the processes of learning, memory and attention. BMP9 is a potent inducer of hepcidin (a cationic peptide that has antimicrobial properties) in hepatocytes and can regulate iron metabolism. The physiological receptor of BMP9 is thought to be activin receptor-like kinase 1, ALK1 (also called ACVRL1), an endothelial-specific type I receptor of the TGF-beta receptor family. BMP9 is one of the most potent BMPs to induce orthotopic bone formation in vivo. BMP3, a blocker of most BMPs seems not to affect BMP9.

**细胞定位** Secreted

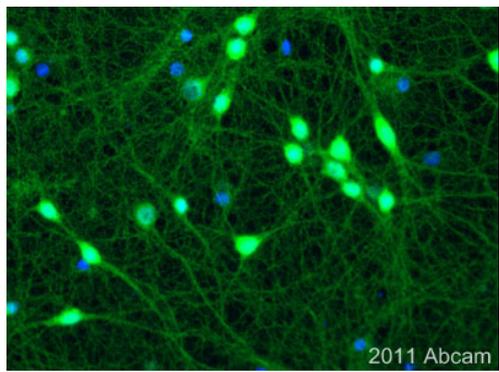
## 图片



ab35088 (1/100) staining BMP9 in paraffin-embedded human lung vascular lesion tissue sections. Tissue underwent fixation in formaldehyde, heat-mediated antigen retrieval in citrate buffer. For further experimental details please refer to abreview.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BMP9 antibody (ab35088)

This image is courtesy of an Abreview submitted by Mr mark southwood



Immunocytochemistry/ Immunofluorescence - Anti-BMP9 antibody (ab35088)

This image is courtesy of an Abreview submitted by Dr. Ruma Raha-Chowdhury

Immunofluorescent staining of BMP9 in rat primary hippocampus neurons with ab35088 (1/500). Cells were fixed with PFA and permeabilized with 0.3% Triton X in 0.1% PBS followed by a blocking step with 10% serum for 1 hour at 24°C. Incubation with ab35088 (1/500) was then performed during 2 hours at 24°C. The secondary antibody was an anti rabbit-Alexa Fluro 488. DAPI shows nuclear localization.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

### 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