

Product datasheet

Anti-BMP9 antibody ab35088

★★★★★ 2 Abreviews 5 References 2 图像

概述

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

性能

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

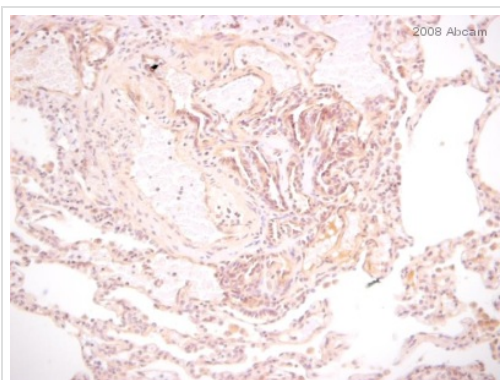
靶标

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.

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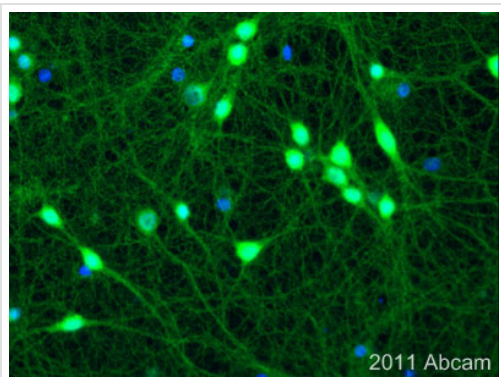
图片



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.

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