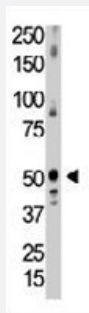


BMP5 polyclonal antibody

Catalog # PAB3674

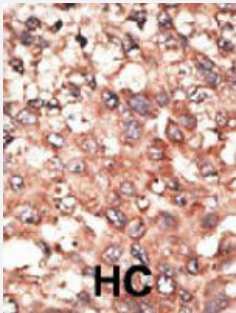
Size 400 uL

Applications



Western Blot (Tissue lysate)

The BMP5 polyclonal antibody (Cat # PAB3674) is used in Western blot to detect BMP5 in placenta tissue lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with BMP5 polyclonal antibody (Cat # PAB3674), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of BMP5.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human BMP5.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — BMP5

Entrez GeneID	653
Protein Accession#	P22003
Gene Name	BMP5
Gene Alias	MGC34244
Gene Description	bone morphogenetic protein 5
Omim ID	112265
Gene Ontology	Hyperlink

Gene Summary	This gene encodes a member of the bone morphogenetic protein family which is part of the transforming 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. These proteins are synthesized as prepropeptides, cleaved, and then processed into dimeric proteins. This protein may act as an important signaling molecule within the trabecular meshwork and optic nerve head, and may play a potential role in glaucoma pathogenesis. This gene is differentially regulated during the formation of various tumors. [provided by RefSeq]
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Publication Reference

- [Gene expression signature of benign prostatic hyperplasia revealed by cDNA microarray analysis.](#)

Luo J, Dunn T, Ewing C, Sauvageot J, Chen Y, Trent J, Isaacs W.

Prostate 2002 May; 51(3):189.

- [Transcriptional mRNA of BMP-2, 3, 4 and 5 in trigeminal nerve, benign and malignant peripheral nerve sheath tumors.](#)

Jin Y, Lu HB, Liong E, Lau TY, Tipoe GL.

Histology and Histopathology 2001 Oct; 16(4):1013.

- [Molecular cloning and characterization of human bone morphogenic protein \(BMP\)-5 gene promoter.](#)

Sakaue M, Kitazawa S, Nishida K, Kitazawa R, Maeda S.

Biochemical and Biophysical Research Communications 1996 Apr; 221(3):768.

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Hedgehog signaling pathway](#)
- [TGF-beta signaling pathway](#)

Disease

- [Congenital Abnormalities](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Osteoarthritis](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)

- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)