

Rabbit Bmp5 Polyclonal Antibody | anti-BMP5 antibody

Bmp5 Antibody (N-term)

CATALOG # AAA287195	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

Bmp5; Polyclonal Antibody; Bmp5 Antibody (N-term); Bone morphogenetic protein 5; BMP-5; BMP5; anti-BMP5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Bmp5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 16-46 amino acids from the N-terminal region of human Bmp5.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.85 (varies by lot)
Sequence Positions	16-46
Sequence Length	417
Applicable Applications for anti-BMP5 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

The anti-Bmp5 N-term Pab is used in Western blot to detect Bmp5 in placenta tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-BMP5 antibody	Bmp5 is 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.
Product Categories/Family for anti-BMP5 antibody	Cardiovascular; Cell biology; Immunology
References	Luo, J., et al., Prostate 51(3):189-200 (2002). Jin, Y., et al., Histol. Histopathol. 16(4):1013-1019 (2001). Sakaue, M., et al., Biochem. Biophys. Res. Commun. 221(3):768-772 (1996). Hahn, G.V., et al., Genomics 14(3):759-762 (1992). Celeste, A.J., et al., Proc. Natl. Acad. Sci. U.S.A. 87(24):9843-9847 (1990).

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835091
NCBI GeneID	653
NCBI Accession #	NP_066551.1
NCBI GenBank Nucleotide #	NM_021073.2
UniProt Accession #	P22003; Q9H547; Q9NTM5; B4E0Y4
Molecular Weight	51737
NCBI Official Full Name	bone morphogenetic protein 5 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 5
NCBI Official Symbol	BMP5
NCBI Protein Information	bone morphogenetic protein 5
UniProt Protein Name	Bone morphogenetic protein 5
UniProt Gene Name	BMP5
UniProt Synonym Gene Names	BMP-5
UniProt Entry Name	BMP5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.