

Rabbit anti-Human Bone morphogenetic protein 4 Polyclonal Antibody | anti-BMP4 antibody

Rabbit anti-human Bone morphogenetic protein 4 polyclonal Antibody

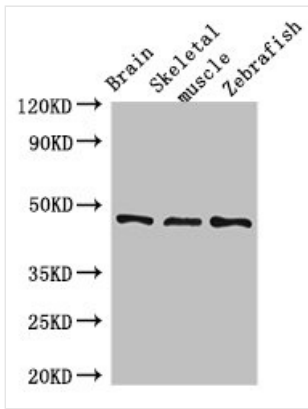
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA26924	Rabbit	Human	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

Bone morphogenetic protein 4; Polyclonal Antibody; Rabbit anti-human Bone morphogenetic protein 4 polyclonal Antibody; BMP-4; Bone morphogenetic protein 2B; BMP-2B; BMP4; BMP2B; DVR4; anti-BMP4 antibody

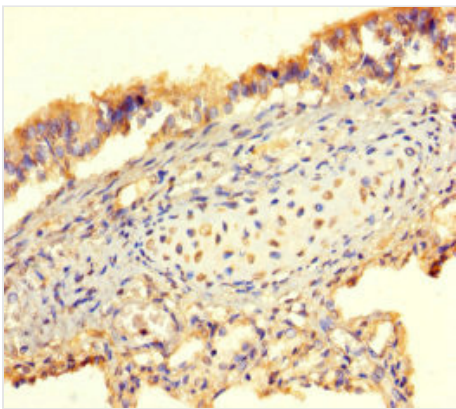
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	408
Applicable Applications for anti-BMP4 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Recommended dilution: WB:1:500-2000
Immunogen	Recombinant human Bone morphogenetic protein 4 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-6896
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.



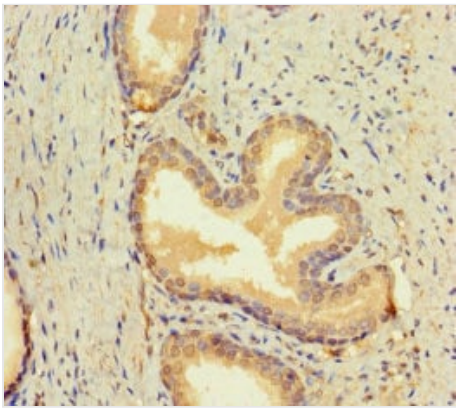
WB (Western Blot)

Western BlotPositive WB detected in:Mouse brain tissue,Mouse skeletal muscle tissue,ZebrafishAll lanes: Bmp4 antibody at 3ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 47 kDaObserved band size: 47 kDa



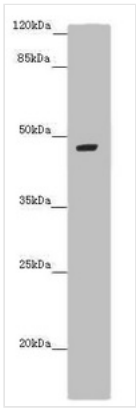
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung tissue using AAA26924 at dilution of 1:100



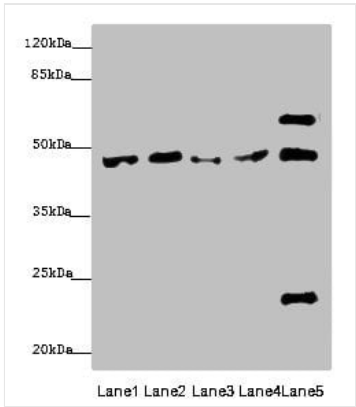
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate cancer using AAA26924 at dilution of 1:100



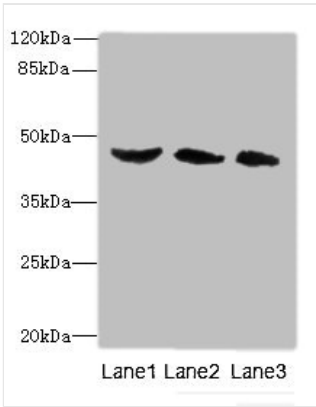
WB (Western Blot)

Western blotAll lanes: BMP-4 antibody at 6 ug/ml+ Mouse brain tissueSecondaryGoat polyclonal to rabbit IgG at 1/10000 dilutionPredicted band size: 47 kDaObserved band size: 47 kDa



WB (Western Blot)

Western blotAll lanes: BMP4 antibody at 10ug/mlLane 1: Mouse kidney tissueLane 2: Mouse liver tissueLane 3: Rat liver tissueLane 4: Rat kidney tissueLane 5: Zebrafish lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 47 kDaObserved band size: 23,47,59 kDa



WB (Western Blot)

Western blotAll lanes: Bone morphogenetic protein 4 antibody at 10ug/mlLane 1: Rat liver tissueLane 2: A549 whole cell lysateLane 3: HeLa whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 47 kDaObserved band size: 47 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-BMP4 antibody	Induces cartilage and bone formation. Also act in mesoderm induction, tooth development, limb formation and fracture repair. Acts in concert with PTHLH/PTHRP to stimulate ductal outgrowth during embryonic mammary development and to inhibit hair follicle induction. This protein 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. This particular family member plays an important role in the onset of endochondral bone formation in humans, and a reduction in expression has been associated with a variety of bone diseases, including the heritable disorder Fibrodysplasia Ossificans Progressiva. Alternative splicing in the 5 untranslated region of this gene has been described and three variants are described, all encoding an identical protein.
Product Categories/Family for anti-BMP4 antibody	Developmental Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	157276593
NCBI GeneID	652
NCBI Accession #	NP_001193.2
NCBI GenBank Nucleotide #	NM_001202.4
UniProt Accession #	P12644; Q9UM80
Molecular Weight	46,555 Da
NCBI Official Full Name	bone morphogenetic protein 4 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 4
NCBI Official Symbol	BMP4
NCBI Official Synonym Symbols	ZYME; BMP2B; OFC11; BMP2B1; MCOPS6
NCBI Protein Information	bone morphogenetic protein 4
UniProt Protein Name	Bone morphogenetic protein 4
UniProt Gene Name	BMP4
UniProt Synonym Gene Names	BMP2B; DVR4; BMP-4; BMP-2B
UniProt Entry Name	BMP4_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bone-morphogenetic-protein-4-antibody-western-blot-immunohistochemistry-elisa/26924>