

Rabbit BMP4 Polyclonal Antibody | anti-BMP4 antibody

BMP4 antibody

CATALOG # AAA301194	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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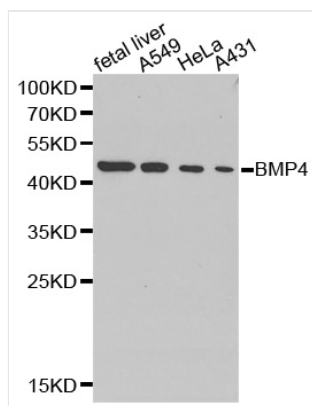
PRODUCT SYNONYMS

BMP4; Polyclonal Antibody; BMP4 antibody; BMP2B; BMP2B1; MCOPS6; ZYME; anti-BMP4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total BMP4 antibody.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	408
Applicable Applications for anti-BMP4 antibody	WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human BMP4.
Target Name	BMP4
Preparation and Storage	Store at -20 degree C

IMAGES



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using BMP4 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-BMP4 antibody	Bone morphogenetic proteins (BMPs) were first identified as molecules that can induce ectopic bone and cartilage formation (1,2). BMPs belongs to the TGF-b superfamily, playing many diverse functions during development (3). BMPs are synthesized as precursor proteins and then processed by cleavage to release the c-terminal mature BMP. BMPs initiate signaling by binding to a receptor complex containing type I and type II serine/threonine receptor kinases that then phosphorylate Smad (mainly Smad1, 5 and 8), resulting the translocation of Smad into the nucleus. BMP was also reported to activate MAPK pathways in some systems (3,4). BMP4 plays an essential role during development. Mouse embryos deficient in BMP4 die around the time of gastrulation (5). BMP4 regulates stem cell maintenance and differentiation in various systems (6-8).
Product Categories/Family for anti-BMP4 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	157276593
NCBI GeneID	652
NCBI Accession #	NP_001193.2
NCBI GenBank Nucleotide #	NM_001202.3
UniProt Accession #	P12644; Q9UM80
Molecular Weight	47kd by SDS-PAGE
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://www.aaabiotech.com/polyclonal/bmp4-antibody-western-blot-elisa/301194>