

Mouse anti-Human, Rat BMP4 Monoclonal Antibody | anti-BMP4 antibody

BMP4 antibody

CATALOG # AAA74344	HOST Mouse	REACTIVITY Human, Rat	APPLICATIONS Western Blot, Immunohistochemistry, Immunocytochemistry, ELISA
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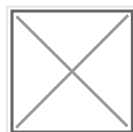
PRODUCT SYNONYMS

BMP4; Monoclonal Antibody; BMP4 antibody; Monoclonal BMP4; Anti-BMP4; BMP 4; BMP-2B; DVR4; Bone Morphogenetic Protein 4; BMP-4; anti-BMP4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	3H2
Specificity	Murine
Form/Format	0.02 M PO4 buffer, 0.25M NaCl with 0.1% NaN3.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	402
Applicable Applications for anti-BMP4 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), ELISA
Biological Significance	Bone morphogenetic proteins (BMPs) are a group of growth factors also known as cytokines and as metabologens. Originally discovered by their ability to induce the formation of bone and cartilage, BMPs are now considered to constitute a group of pivotal morphogenetic signals, orchestrating tissue architecture throughout the body. BMP4 is a critical signaling molecule required for the early differentiation of the embryo and establishing of a dorsal-ventral axis. BMP4 is secreted from the dorsal portion of the notochord, and it acts in concert with sonic hedgehog.
Cross-Reactivity	Human, rat
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Immunogen	BMP4 antibody was raised in mouse using recombinant mouse bone morphogenetic Protein 4 (BMP-4) as the immunogen.
Preparation and Storage	Store at 4 degree C.

IMAGES



IF (Immunofluorescence)

Immunolocalization of BMP4 (red) in the lateral ventricle area of P7 mouse CNS. The blue stain is Hoechst nuclear counter stain.

ADDITIONAL INFORMATION

Related Product Information for anti-BMP4 antibody	Mouse monoclonal BMP4 antibody
Product Categories/Family for anti-BMP4 antibody	Differentiation & Development

NCBI AND UNIPROT INFORMATION

NCBI GI #	1311542
NCBI GeneID	652
UniProt Accession #	P12644; Q9UM80
Molecular Weight	46,555 Da
NCBI Official Full Name	bone morphogenetic protein 4
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/monoclonal/bmp4-antibody-clone-3h2-western-blot-immunohistochemistry-immunocytochemistry-elisa/74344>