

Rabbit anti-Human BMP4 Monoclonal Antibody | anti-BMP4 antibody

BMP4 Rabbit mAb

CATALOG # AAA282875	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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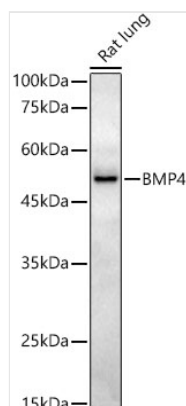
PRODUCT SYNONYMS

BMP4; Monoclonal Antibody; BMP4 Rabbit mAb; ZYME; BMP2B; OFC11; BMP2B1; MCOPS6; anti-BMP4 antibody

PRODUCT SPECIFICATIONS

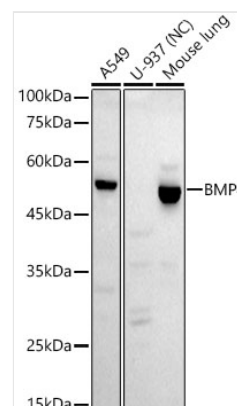
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	QHVRISRSLP QGSGNWAQLR PLLVTFGHDG RGHALTRRRR AKRSPKHHSQ RARKKNKNCR RHSLYVDFSD VGWNDWIVAP PGYQAFYCHG DCPFPLADHL N
Applicable Applications for anti-BMP4 antibody	ELISA, WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 250-350 of human BMP4 (NP_001193.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of lysates from Rat lung, using BMP4 Rabbit mAb (AAA282875) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



WB (Western Blot)

Western blot analysis of various lysates, using BMP4 Rabbit mAb (AAA282875) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Negative control (NC): U-937. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-BMP4 antibody	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein regulates heart development and adipogenesis. Mutations in this gene are associated with orofacial cleft and microphthalmia in human patients. The encoded protein may also be involved in the pathology of multiple cardiovascular diseases and human cancers.
Product Categories/Family for anti-BMP4 antibody	Cancer; Signal Transduction; Cell Biology Developmental Biology; Growth factors; TGF-b-Smad Signaling Pathway; Wnt-Catenin Signaling Pathway; ESC Pluripotency and Differentiation; Immunology Inflammation; Cytokines; NF-kB Signaling Pathway; Stem Cells; Ca

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	Calculated MW: 47kDa Observed MW: 47kDa
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-western-blot-elisa/282875>