BMP6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BMP6, Polyclonal Antibody
Full Product Name	Rabbit polyclonal BMP6 antibody (HRP)
Product Gene Name	anti-BMP6 antibody
Product Synonym Names	BMP6 antibody (HRP)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied with 0.03% Proclin 300, 50% Glycerol and 0.01M PBS, PH 7.4
Purity/Purification	Purified by Ammonium Sulfate precipitation
Preparation and Storage	Store at 4 degree C for short term storage and -20 degree C for long term storage. Avoid repeat freeze/thaw cycles.
Molecular Weight	57,226 Da
OMIM	M60315 mRNA
3D Structure	ModBase 3D Structure for P22004
Immunogen	BMP6 antibody (HRP) was raised in Rabbit using recombinant human Bone morphogenetic protein 6 protein as the immunogen
Cross-Reactivity	Human
Conjugate	HRP
Product Categories/Family for anti-BMP6 antibody	Differentiation & Development
Applications Tested/Suitable for anti-BMP6 antibody	ELISA (EIA), Western Blot (WB)
Related Product Information for anti-BMP6 antibody	MBS5305274 is an antibody targeting BMP6. Also known as Rabbit polyclonal BMP6 antibody (HRP). Host: Rabbit.
Other Notes	Small volumes of anti-BMP6 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BMP6. It may not necessarily be applicable to this product.

NCBI GI #	4502425
NCBI GeneID	654
NCBI Accession #	NP_001709.1
UniProt Primary Accession #	P22004
UniProt Secondary Accession #	Q5TCP3

UniProt Related Accession #	P22004
GenBank Nucleotide #	NM_001718.5
NCBI Official Full Name	bone morphogenetic protein 6 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 6
NCBI Official Symbol	BMP6
NCBI Official Synonym Symbols	VGR; VGR1
UniProt Protein Name	Bone morphogenetic protein 6
UniProt Synonym Protein Names	VG-1-related protein; VG-1-R; VGR-1
Protein Family	Bone morphogenetic protein
UniProt Gene Name	BMP6
UniProt Synonym Gene Names	VGR; BMP-6; VG-1-R; VGR-1
NCBI Protein Information	bone morphogenetic protein 6
NCBI Summary for BMP6	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 a wide range of biological processes including iron homeostasis, fat and bone development, and ovulation. Differential expression of this gene may be associated with progression of breast and prostate cancer. Mutations in this gene may be associated with iron overload in human patients. [provided by RefSeq, Jul 2016]
UniProt Comments for BMP6	BMP6: Induces cartilage and bone formation. Belongs to the TGF-beta family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 6p24.3 Cellular Component: extracellular space Molecular Function: cytokine activity; protein heterodimerization activity; transforming growth factor beta receptor binding Biological Process: BMP signaling pathway; cellular iron ion homeostasis; immune response; negative regulation of transcription from RNA polymerase II promoter; positive regulation of aldosterone biosynthetic process; positive regulation of bone mineralization; positive regulation of epithelial cell proliferation; positive regulation of lipopolysaccharide-mediated signaling pathway; positive regulation of osteoblast differentiation; positive regulation of transcription from RNA polymerase II promoter; regulation of apoptosis; regulation of MAPKKK cascade; skeletal development
Research Articles on BMP6	**1.** Further investigation on clinical ESCC samples and non-tumorous adjacent tissue found that tumors with triple-positive BMP6, ALK2 and BMPRII had deeper growth than tumors with only BMP6 expression
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