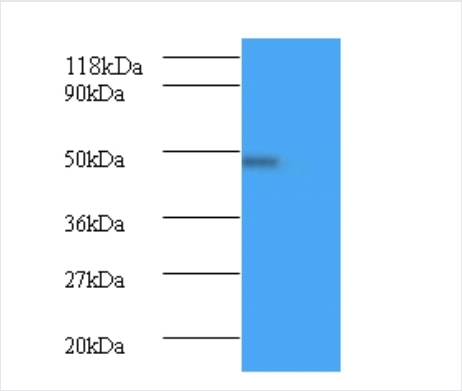
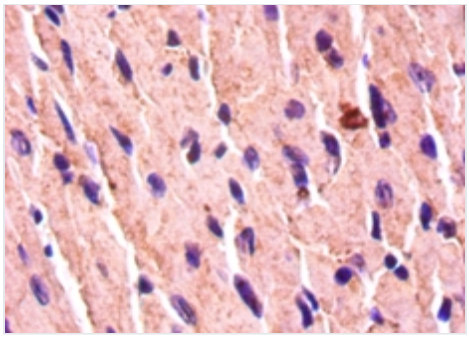
Bone Morphogenetic Protein 7 (BMP7) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Bone morphogenetic protein 7 (BMP7), Polyclonal Antibody
Full Product Name	Bone morphogenetic protein 7 Polyclonal Antibody
Product Gene Name	anti-BMP7 antibody
Product Synonym Names	Osteogenic protein 1; BMP7; OP1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous level of total Bone morphogenetic protein 7 polyclonal antibody.
Preparation and Storage	Store at -20 degree C
Molecular Weight	49,313 Da
OMIM	112267
3D Structure	ModBase 3D Structure for P18075
Immunogen	Recombinant Human Bone morphogenetic protein 7
Immunogen Type	Protein
Product Categories/Family for anti-BMP7 antibody	Total protein Ab
Applications Tested/Suitable for anti-BMP7 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-BMP7 antibody	Western Blot: 1:500 - 1:1000 Immunohistochemistry: 1:20 - 1:200
Related Product Information for anti-BMP7 antibody	Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis.
Other Notes	Small volumes of anti-BMP7 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.
Searchable Terms for BMP7 purchase	MBS9415255 is an antibody targeting BMP7. Also known as Bone morphogenetic protein 7 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-BMP7 antibody
All lanes: Bone morphogenetic protein 7 antibody at 2ug/ml+mouse kidney tissue



Immunohistochemistry (IHC) of anti-BMP7 antibody
Immunohistochemical analysis of paraffin-embedded mousekidney using at dilution of 1:50.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BMP7. It may not necessarily be applicable to this product.

NCBI GI #	4502427
NCBI GeneID	655
NCBI Accession #	NP_001710.1
UniProt Primary Accession #	P18075
UniProt Secondary Accession #	Q9H512; Q9NTQ7
UniProt Related Accession #	P18075
GenBank Nucleotide #	NM_001719.2
NCBI Official Full Name	bone morphogenetic protein 7 preproprotein
NCBI Official Synonym Full Names	bone morphogenetic protein 7
NCBI Official Symbol	BMP7
NCBI Official Synonym Symbols	OP-1
UniProt Protein Name	Bone morphogenetic protein 7
UniProt Synonym Protein Names	Osteogenic protein 1; OP-1; INN: Eptotermin alfa
Protein Family	Bone morphogenetic protein
UniProt Gene Name	BMP7
UniProt Synonym Gene Names	OP1; BMP-7; OP-1
UniProt Entry Name	BMP7_HUMAN
NCBI Protein Information	bone morphogenetic protein 7

UniProt Comments for BMP7	BMP7: Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis. Homodimer; disulfide-linked. Interacts with SOSTDC1. Interacts with TWSG1. Expressed in the kidney and bladder. Lower levels seen in the brain. Belongs to the TGF-beta family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 20q13 Cellular Component: extracellular region; extracellular space Molecular Function: cytokine activity; protein binding; transforming growth factor beta receptor binding Biological Process: BMP signaling pathway; cardiac muscle development; dendrite development; epithelial to mesenchymal transition; hindbrain development; inhibition of NF-kappaB transcription factor; mesenchymal cell differentiation; mesonephros development; metanephros development; negative regulation of cell cycle; negative regulation of MAP kinase activity; negative regulation of mitosis; negative regulation of neuron differentiation; negative regulation of NF-kappaB import into nucleus; negative regulation of phosphorylation; negative regulation of transcription, DNA-dependent; neural fold elevation formation; neurite morphogenesis; pharyngeal system development; positive regulation of bone mineralization; positive regulation of heterotypic cell-cell adhesion; positive regulation of osteoblast differentiation; positive regulation of transcription, DNA-dependent; regulation of apoptosis; skeletal development; steroid hormone mediated signaling; ureteric bud development
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