

BMP-7 rabbit pAb**Cat#: orb764654 (Manual)**

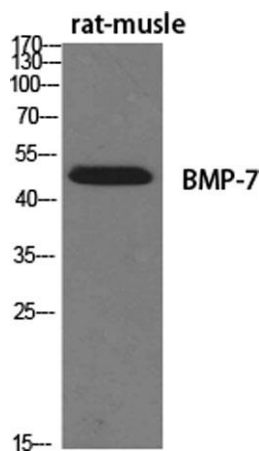
For research use only. Not intended for diagnostic use.

Product Name	BMP-7 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human BMP-7. AA range:124-173
Specificity	BMP-7 Polyclonal Antibody detects endogenous levels of BMP-7 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Bone morphogenetic protein 7
Gene Name	BMP7
Cellular localization	Secreted.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

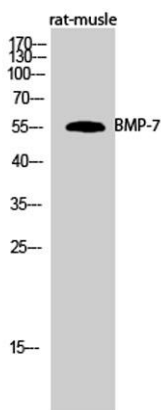
Concentration	1 mg/ml
Observed band	55kD
Human Gene ID	655
Human Swiss-Prot Number	P18075
Alternative Names	BMP7; OP1; Bone morphogenetic protein 7; BMP-7; Osteogenic protein 1; OP-1; Eptotermin alfa

Background

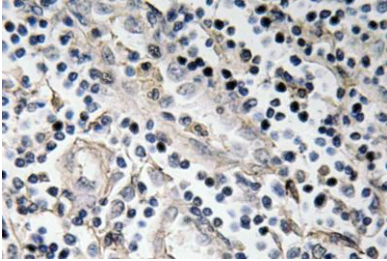
This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer, which plays a role in bone, kidney and brown adipose tissue development. Additionally, this protein induces ectopic bone formation and may promote fracture healing in human patients. [provided by RefSeq, Jul 2016],



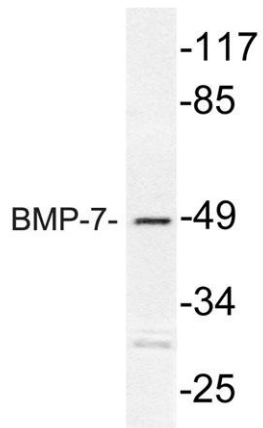
Western Blot analysis of various cells using BMP-7 Polyclonal Antibody diluted at 1:500



Western Blot analysis of rat-muscle cells using BMP-7 Polyclonal Antibody diluted at 1:500



Immunohistochemistry analysis of BMP-7 antibody in paraffin-embedded human tonsil tissue.



Western blot analysis of lysate from Jurkat cells, using BMP-7 antibody.