

BMP-3A rabbit pAb**Cat#: orb764652 (Manual)**

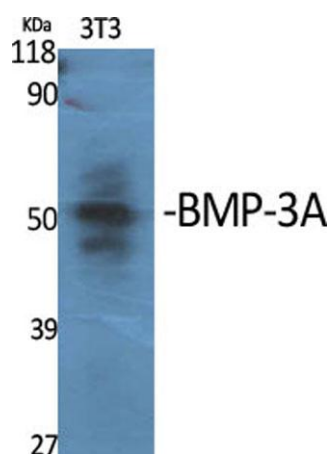
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Product Name	BMP-3A rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human BMP3. AA range:281-330
Specificity	BMP-3A Polyclonal Antibody detects endogenous levels of BMP-3A 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 3
Gene Name	BMP3
Cellular localization	Secreted.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

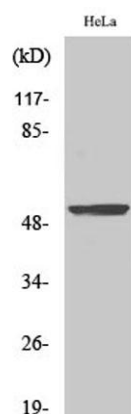
Concentration	1 mg/ml
Observed band	55kD
Human Gene ID	651
Human Swiss-Prot Number	P12645
Alternative Names	BMP3; BMP3A; Bone morphogenetic protein 3; BMP-3; Bone morphogenetic protein 3A; BMP-3A; Osteogenin

Background

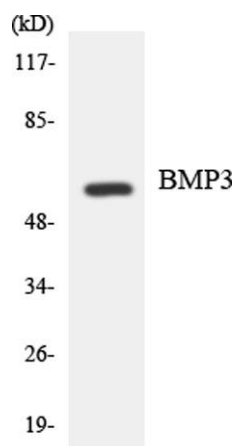
This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein suppresses osteoblast differentiation, and negatively regulates bone density, by modulating TGF-beta receptor availability to other ligands. [provided by RefSeq, Jul 2016],



Western Blot analysis of various cells using BMP-3A Polyclonal Antibody



Western Blot analysis of HepG2 cells using BMP-3A Polyclonal Antibody



Western blot analysis of the lysates from HeLa cells using BMP3 antibody.