

Product Name: BMP-2 Rabbit Polyclonal Antibody
Catalog #: APRab07591



Summary

Production Name	BMP-2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC, WB, ELISA
Reactivity	Human, Mouse, Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	BMP2
Alternative Names	BMP2; BMP2A; Bone morphogenetic protein 2; BMP-2; Bone morphogenetic protein 2A; BMP-2A
Gene ID	650.0
SwissProt ID	P12643. The antiserum was produced against synthesized peptide derived from human BMP-2. AA range: 226-275

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:10000. Not yet tested in other applications.
Molecular Weight	60kD

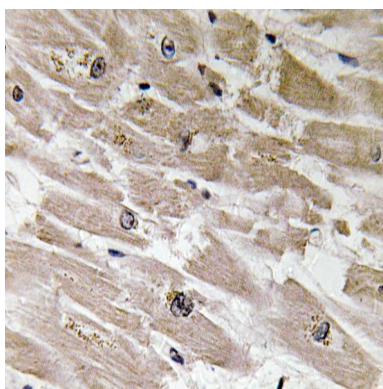
Background

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 and cartilage development. Duplication of a regulatory region downstream of this gene causes a form of brachydactyly characterized by a malformed index finger and second toe in human patients. [provided by RefSeq, Jul 2016],function:Induces cartilage and bone formation.,online information:Bone morphogenetic protein 2 entry,similarity:Belongs to the TGF-beta family.,subunit:Homodimer; disulfide-linked. Interacts with GREM2 (By similarity) and SOSTDC1.,tissue specificity:Particularly abundant in lung, spleen and colon and in low but significant levels in heart, brain, placenta, liver, skeletal muscle, kidney, pancreas, prostate, ovary and small intestine.,

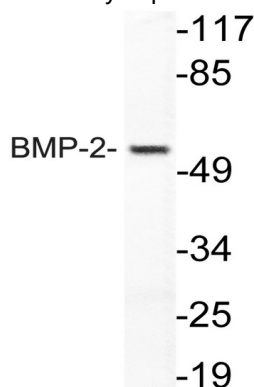
Research Area

Cytokine-cytokine receptor interaction;Hedgehog;TGF-beta;Pathways in cancer;Basal cell carcinoma;

Image Data

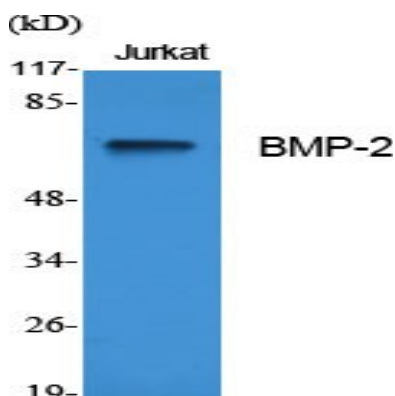


Immunohistochemistry analysis of BMP-2 antibody in paraffin-embedded human heart tissue.



Western blot analysis of lysate from HUVECells, using BMP-2 antibody.

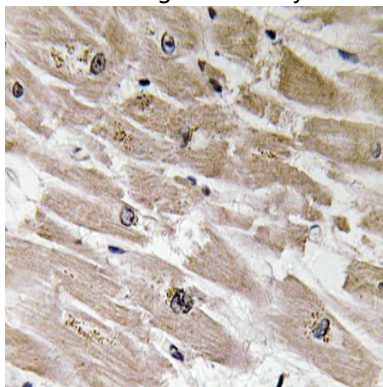
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Western Blot analysis of various cells using BMP-2 Polyclonal Antibody diluted at 1: 500



Western Blot analysis of HuvEc cells using BMP-2 Polyclonal Antibody diluted at 1: 500



Immunohistochemistry of paraffin-embedded human heart tissue using antibody at dilution 1:100

Note

For research use only.