
Product Name: BMP-5 Rabbit Polyclonal Antibody**Catalog #: APRab07599**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
Molecular Weight	52kDa

Antigen Information

Gene Name	BMP5
Alternative Names	BMP5; Bone morphogenetic protein 5; BMP-5
Gene ID	653.0
SwissProt ID	P22003
Immunogen	The antiserum was produced against synthesized peptide derived from human BMP-5. AA range:114-163

Background

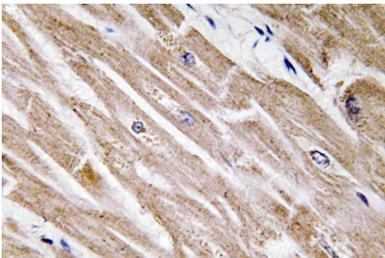
This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this

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. Polymorphisms in this gene may be associated with osteoarthritis in human patients. This gene is differentially regulated in multiple human cancers. This gene encodes distinct protein isoforms that may be similarly proteolytically processed. [provided by RefSeq, Jul 2016],function:Induces cartilage and bone formation.,online information:Bone morphogenetic protein 5 entry,similarity:Belongs to the TGF-beta family.,subunit:Homodimer; disulfide-linked.,tissue specificity:Expressed in the lung and liver.,

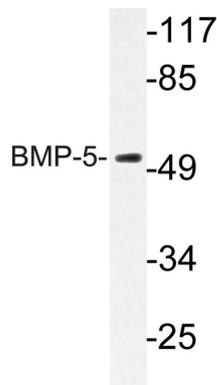
Research Area

Hedgehog;TGF-beta;

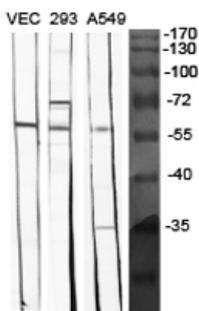
Image Data



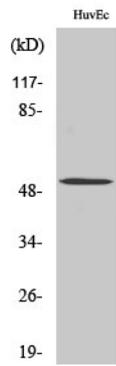
Immunohistochemistry analysis of BMP-5 antibody in paraffin-embedded human heart tissue.



Western blot analysis of lysate from HUVEC cells, using BMP-5 antibody.



Western Blot analysis of various cells using BMP-5 Polyclonal Antibody diluted at 1: 1000



Western Blot analysis of HeLa cells using BMP-5 Polyclonal Antibody diluted at 1 : 1000