



BMP-5 rabbit pAb

Cat No.:ES1778

For research use only

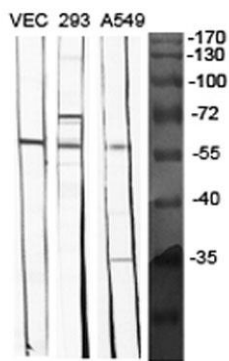
Overview

Product Name	BMP-5 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
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-5. AA range:114-163
Specificity	BMP-5 Polyclonal Antibody detects endogenous levels of BMP-5 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 5
Gene Name	BMP5
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	52kD
Human Gene ID	653
Human Swiss-Prot Number	P22003
Alternative Names	BMP5; Bone morphogenetic protein 5; BMP-5
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

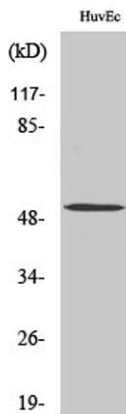




preprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer, which plays a role in bone and cartilage development. Polymorphisms in this gene may be associated with osteoarthritis in human patients. This gene is differentially regulated in multiple human cancers. This gene encodes distinct protein isoforms that may be similarly proteolytically processed. [provided by RefSeq, Jul 2016],

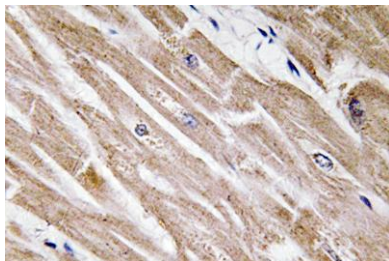


Western Blot analysis of various cells using BMP-5 Polyclonal Antibody diluted at 1:1000



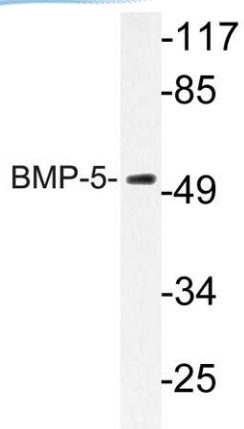
Western Blot analysis of HeLa cells using BMP-5 Polyclonal Antibody diluted at 1:1000

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





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



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