

产品名称: BMP-7 Rabbit Polyclonal Antibody
产品货号: APRab07602



产品概述 (Summary)

产品名称 (Production Name)	BMP-7 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	BMP7
别名 (Alternative Names)	BMP7; OP1; Bone morphogenetic protein 7; BMP-7; Osteogenic protein 1; OP-1; Eptotetermin alfa
基因 ID (Gene ID)	655.0
蛋白 ID (SwissProt ID)	P18075.The antiserum was produced against synthesized peptide derived from human BMP-7. AA range:124-173

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	55kDa

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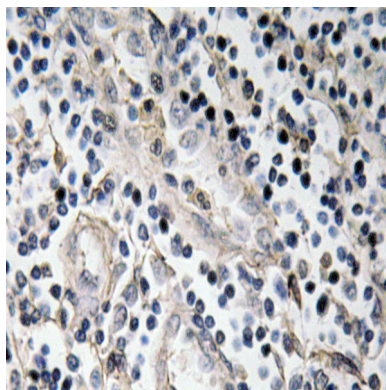
研究背景 (Background)

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],function:Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis.,online information:Bone morphogenetic protein 7 entry,pharmaceutical:Available under the names Osigraft (Stryker). Its use is indicated in the treatment of tibial non-union of at least 9 month duration, secondary to trauma, in skeletally mature patients, in cases where autograft has failed or is unfeasible.,PTM:Several N-termini starting at positions 293, 300, 315 and 316 have been identified by direct sequencing resulting in secretion of different mature forms (PubMed:17977014).,similarity:Belongs to the TGF-beta family.,subunit:Homodimer; disulfide-linked. Interacts with SOSTDC1. Interacts with TWSG1.,tissue specificity:Expressed in the kidneys and bladder. Lower levels seen in the brain.,

研究领域 (Research Area)

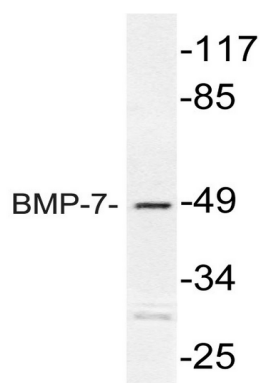
Cytokine-cytokine receptor interaction;Hedgehog;TGF-beta;

图片 (Image Data)

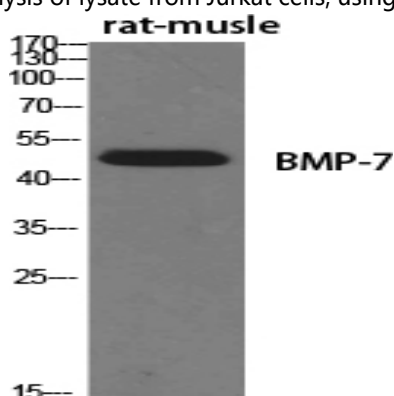


Immunohistochemistry analysis of BMP-7 antibody in paraffin-embedded human tonsil tissue.

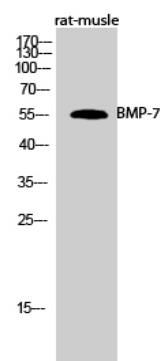
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Western blot analysis of lysate from Jurkat cells, using BMP-7 antibody.



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

注意事项 (Note)

For research use only .