

BMP-2 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00921
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human BMP-2. AA range:226-275
Mol wt	44702
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	BMP-2 Antibody
Synonyms	BMP2; BMP2A; Bone morphogenetic protein 2; BMP-2; Bone morphogenetic protein 2A; BMP-2A

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

BMP2 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.

Recommended Dilution

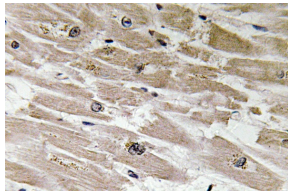
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

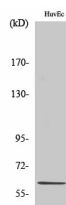
ELISA: 1: 20000

Not yet tested in other applications.

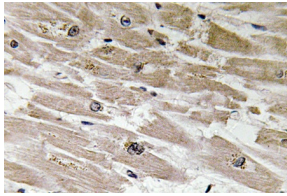
Images



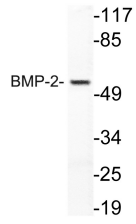
Immunohistochemistry analysis of BMP-2 antibody in paraffin-embedded human heart tissue.



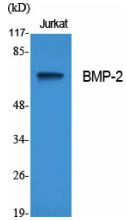
Western Blot analysis of HuvEc cells using BMP-2 Polyclonal Antibody diluted at 1:500



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



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



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

Storage

-20°C for one year

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